

TABLE II

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Aluminum hydrate, precipitator scale	2806	Reynolds Metals Co., Bauxite, Ark.	1.87	BM-100	14.0
Aluminum, laterite	1858	Aluminum Ore Co., East St. Louis, Ill.	2.68	RM-10 RM-14	10.7 8.6
Aluminum-nickel pigs	1505	Koppers Co., Kubuta, Pa.	3.70	IC	13.4
Aluminum oxide	1052	Exolon Co., Blaisdell, N. Y.	4.00	RM-20	17.2
Alumina, fused	1776	Monsanto Chemical Co., Anniston, Ala.	4.51	RM-8	23.3
Amphibolite	2159	U. S. Engineers, Pine Flats Project, Fresno, Calif.	3.22	IC	16.1
Andalusite	1407	Champion Spark Plug Co., Detroit, Mich.	3.08	IC	5.2
Andesite	2650	Morrison-Kiewit Macco Co., Lowell, Ore.	2.81	IC	19.0
Andesite	2560	Stoughton Crushed Stone Co., Stoughton, Mass.	3.07	IC	13.5
Andesite	2389	Howe Sound Exploration, Snow Lake, Manitoba	2.81 2.76	IC IC	14.3 15.0
Andesite	2342	Denver Crushed Stone Co., Denver, Colo.	2.75	IC	25.2
Andesite containing pyrite, quartz	1817	Buffonta Mines, Ltd., Timiskaming County, Ontario	2.86	IC	22.6
Apatite with magnetite	2765B	Nemegos Uranium Corp., Buffalo, N. Y.	4.85	BM-65	11.6
Apatite with magnetite	352	Societade Technica e Commercial Ltda., Ipanema Phos. Plant, Sao Paulo, Brazil	3.93	BM-65 BM-100	12.1 14.4
Apatite phosphate	1555B	Bunge Corp., Moinho Santista Brazil https://www.911metallurgist.com/	2.78	BM-200 RM-14 RM-48	16.3 16.1 13.8
Arsenopyrite with quartz	2020	MacDonald' Mines' Ltd., Noranda, Quebec	4.55	BM-100 BM-200 IC	7.8 11.7 7.1
Barite, soft	2330	Magnet Cove Barium Co., Malvern, Ark.	4.03	BM-200	3.8
Barite, medium			3.83	BM-200	5.2
Barite, hard			3.56	BM-200	8.9
Barite	1265	Mephram, Geo. S., East St. Louis, Ill.	4.66	RM-20	4.4
Barite	1007	Barium Mining Corp., Gretna, W. Va.	5.24	RM-20	3.8
Barite (Tenn.)	848	United Color & Pigment Co., via Mr. Brackett, Dover Boiler Works, Newark, N. J.	5.15	RM-35	2.4
Barite (Meggen)			4.97	RM-35	5.1
Basalt, volcanic	2777	Honolulu Construction & Drying Co., Honolulu, Hawaii	3.01	IC	20.1
Basalt	2455	Teer, Nello L., Durham, S. Car.	2.77	IC	11.4
Basalt	2094	Beaufort West Ballast Quarry, Johannesburg, South Africa	2.96	IC	19.8
Bauxite	2500	Reynolds Metals Co. (Societ� D'Ugine), Hurricane, Ark.	2.40	BM-14	14.9
Bauxite, raw	1053	Republic Mining & Mfg. Co., Bauxite, Ark.	2.52	RM-4	12.0

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Bauxite, white lump	844	Porocel Corp. (via. Attapulugus Clay Co.), Little Rock, Ark.	2.08	RM-20	7.1
Bauxite, soft, yellow	738	Swann and Company, Birmingham, Ala.	1.80	BM-65	0.9
Brick, refractory	809	Corhart Refractories, Inc., Louisville, Ky.	3.70	RM-4	45.0
				RM-8	44.1
				RM-20	34.9
				RM-20	23.8
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Brookite	1104	Christy, W. W., Malvern, Ark.	2.75	RM-35	9.0
Calcite, white	1066	New England Lime Co., Adams, Mass.	2.71	RM-6	4.5
Calcined materials	583D	Basic dolomite	1.60	RM-14	11.1
Calcined materials	583C	Basic dolomite	2.70	RM-14	11.3
Calcined materials	583A	Basic dolomite	3.15	RM-14	10.1
Calcines, roaster	740	Sullivan Mining Co., Kellog, Idaho	3.22	BM-28	4.2
				BM-35	5.9
				BM-28	3.3
Calcium phosphate	1226	Anaconda Copper Mining Co., Soda Springs, Idaho	3.03	BM-100	12.0
Cement clinker	1590	Calaveras Cement Co., San Francisco, Calif.	3.15	BM-200	13.0
Cement clinker	1617	Cons. Cement Corp., Cement City, Mich.	3.15	BM-200	16.3
Cement clinker I rounded pellets	2744	Dragon Cement Co., Inc., Thomaston, Maine	3.15	OCId	9.9
				OCId	23.8
Cement clinker II rounded pellets	2744B	Dragon Cement Co., Inc., Thomaston, Maine	3.15	OCId	8.5
				OCId	19.8
Cement clinker	2737	Dragon Cement Co., Inc., Northampton, Pa.	3.15	OCId	12.9
Cement clinker with slag	2853	Italcementi, Milan Italy	3.15	OCId	36.7
				2.6	BM-200
Cement clinker	1519	Lawrence Portland Cement Co., Rockland, Maine	3.15	BM-200	11.2
Cement clinker	972	Lawrence Portland Cement Co., Northampton, Pa.	3.15	IC	2.5
				BM-150	9.9
Cement clinker	828	Volunteer Portland Cement Co., Knoxville, Tenn.	3.15	BM-200	9.1
				RM-3	16.5
				RM-4	14.9
Cement clinker No. 1	1114	North American Portland Cement Co., Security, Md.	3.15	RM-10	13.7
				BM-200	14.7
				BM-200	12.4
Cement raw material	1670	Cementos Del Valle, Cali, Colombia	2.7	BM-200	14.4
Cement raw material	1715	Hwa-Hsin Cement Co., Shanghai, China	2.70	BM-200	10.8
Cement raw material	1652	Iraq Cement Co., Bagdad, Iraq	2.70	BM-200	5.0
Cement raw material	2226	Lone Star Cement Co., Nazareth, Pa.	2.71	BM-200	10.9
Cement raw material	1656	Missouri Portland Cement Co., St. Louis, Mo.	2.60	BM-200	7.7
Cement raw material	1345A	Missouri Portland Cement Co., St. Louis, Mo.	2.62	BM-200	6.0
				IC	7.1

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Cement raw material	1318A	Missouri Portland Cement Co., St. Louis, Mo.	2.60	BM-200	10.7
			2.66	IC	17.5
			2.6	IC	17.8
Cement raw material	2633	Premier Portland Cement Co., Ltd., Bulawayo, Southern Rhodesia, South Africa	2.70	OCId	8.9
				OCIIId	4.3
Cement raw material	2757	Rhodesia Cement, Ltd., Colleen Bawn, Southern Rhodesia	2.70	OCId OCIIId	12.2 9.4
Cement raw material	1636B	Riverside Cement Co., Oro Grande, Calif.	2.70	BM-200	9.6
Cement raw material No. 1 No. 2	2339	Univ. Atlas Cement Co., Hudson, N. Y. https://www.911metallurgist.com/	2.67	BM-200	11.9
			2.68	BM-200	11.5
Cement raw material	1545	Univ. Atlas Cement Co., Northampton, Pa.	2.70	BM-200	8.9
Cement rock	1618C	Cementos Guadalajara, Jalisco, Mexico	2.7	BM-200	15.1
Chert and limestone	2653	Eldorado Mining & Refining Ltd., Port Hope, Ontario	2.68	BM-100	23.5
				BM-200	20.6
Chrome alloy	788	Ohio Ferro-Alloy Corp., Janesville, Ohio	2.73	BM-150	9.5
				RM-8	9.8
Chrome ore	843	Tekirova Madenleri Co., Ltd., Turkey	3.42	RM-10	7.0
Chromium metal	1008	Electro-Metallurgical Co., Niagara Falls, N. Y.	6.52	BM-65	60.0
				BM-100	69.0
				RM-28	27.0
Chromium metal	1493	Vanadium Corp. of America, Niagara Falls, N. Y.	7.36	IC	19.2
Clay	2769	Cementos del Valle, S. A. Cali, Columbia	2.5	OCI	1.107
				OCII	7.73
Clay	2800	Cia. Cimento Portland, Bello Horizonte, Brazil	2.67	IC	6.1
				IC	4.9
				IC	4.4
Clay	877	Kaiser, Henry J., Mt. View, Calif.	2.27	BM-65	7.1
				BM-200	9.5
Clay, calcined	768	General Chemical Co., Brooklyn, N. Y.	2.0	RM-10	5.5
				RM-35	6.5
Clay, attapulugus, calcined	641	Sun Oil Co., Marcus Rock, Pa.	1.10	BM-200	16.7
Clay and firebrick	907	Carnegie Illinois Steel Corp., Chicago, Ill.	2.5	BM-48	17.0
Coal	376	Illinois Zinc Co., Chicago, Ill.	2.80	BM-65	15.8
Coal, bituminous	2802	Allis-Chalmers Mfg. Co., Milwaukee, Wis.	1.4	VBM	13.2
Cobalt ore	2474	Deloro Smelting & Refining Co., Marmora, Ontario	5.76	BM-100	11.7
Cobrecite	830	Cobrecite Corp., Detroit, Mich.	1.27	BM-35	6.6
				BM-65	4.8
Coke	28R	Allis-Chalmers Mfg. Co., Milwaukee, Wis.	1.0	IC	4.46
Coke	1595	Bertelsen Co., Bridgeville, Pa.	1.34	BM-150	29.0
Coke	1143	Kaiser Co., (Iron Steel Div.), Fontana, Calif.	0.95	RM-10	12.0
Coke, petroleum	700	Aluminum Co. of America, Alcoa, Tenn.	1.778	BM-48	73.
				BM-100	76.
Coke breeze	2496	Allis-Chalmers Mfg. Co., Birmingham, Ala.	2.20	RM-14	13.8

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Coke breeze	2829	Wheeling Steel Corp., Wheeling, W. Va.		RM-8	14.8
Coke	1280	Wheeling Steel Corp., Follansbee, W. Va.	1.41	RM-8	23.4
Coke, disco	1861	Pittsburgh Coal Co., Olaf Moglebust, Norway	0.94	RM-14 RM-20	8.3 7.5
Copper, Silver Bell ore	2687F	American Smelting & Refining Co., Silver Bell Project, Tucson, Ariz.	2.65	IC	5.82
Copper ore, Silver Bell	2687D	American Smelting & Refining Co., Silver Bell Project, Tucson, Ariz.	2.61	BM-65 BM-200	12.4 12.2
Copper ore, Silver Bell	2687C	American Smelting & Refining Co. Silver Bell Project, Tucson, Ariz.	2.70	BM-65 BM-200	15.5 13.5
Copper ore, Silver Bell	2687B	American Smelting & Refining Co., Silver Bell Project, Tucson, Ariz.	2.64	BM-65 BM-100 BM-200 RM-14	12.8 12.7 12.3 14.0
Copper ore, Silver Bell	1050	American Smelting & Refining Co., Tuscon, Ariz.	2.81	BM-48 BM-65 BM-100 BM-200	9.4 10.0 11.2 11.6
Copper ore, pyritic	910	Anaconda Copper Mining Co., Anaconda, Mont.	3.23	BM-28 BM-35 BM-48 BM-65 BM-100 BM-150 BM-200	11.6 12.3 12.2 11.3 11.9 12.8 13.9
Copper ore	1477A	Anaconda Copper Mining Co., Anaconda, Mont.	3.22	BM-28 BM-35 BM-48 BM-65 BM-100 BM-150 BM-200	12.2 12.0 10.9 11.0 11.0 12.5 12.4
Copper ore, granite, chalcopyrite	2623	Bagdad Copper Corp., Bagdad, Ariz.	2.63	BM-35 BM-48 BM-65 BM-200	11.3 11.8 11.3 12.6
Copper ore		Bingham, Bingham Canyon, Utah	4.65	BM-48 BM-100 BM-200	6.4 8.0 8.3
Copper ore, sulfides	2324	Bolidens Gruv, Bolidens, Sweden	4.35	BM-200 RM-10 RM-14 IC	8.33 12.6 12.3 9.32
Copper ore	2616	Braden Copper, N. Y.	2.73	BM-100	18.7

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Copper ore	326	Britannia Mining & Smelting Co., Britannia Beach, British Columbia	2.85	BM-65	16.1
Copper ore, sands	2710	Calumet & Hecla Cons. Copper Co., Hubbell, Mich.	3.02	BM-28	18.2
Copper ore (Peninsula Mine) (Centennial Mine)	2411	Calumet & Hecla Cons. Copper Co., Lake Linden, Mich.	2.85	IC	15.8
			2.85	RM-14	17.0
		https://www.911metallurgist.com/	2.80	IC	15.9
			2.80	RM-14	18.4
Copper ore, amygdaloid jig tails	771B	Calumet & Hecla Con. Copper Co., Lake Linden, Mich.	2.91	BM-35 BM-100 BM-200	20.2 17.1 17.3
Copper ore, conglomerate	771A	Calumet & Hecla Cons. Copper Co., Lake Linden, Mich.	2.82	BM-35 BM-100 BM-200	26.33 22.6 20.1
Copper ore	328	Chelan Copper Co., Lucerne, Wash.	2.73	BM-65	12.9
Copper ore	278	Consolidated Copper Co., Nevada	2.9	BM-65	12.7
Copper ore	276	Consolidated Copper Co., Kimberley, Nevada	2.73	BM-65 BM-100	8.3 9.0
Copper ore	188/189	Consolidated Copper Co., Kimberley, Nevada	2.60	BM-48	11.2
Copper ore, white pine sandstone & shale	2735	Copper Range Co., Painesdale, Mich.	2.88	BM-100 RM-14	15.2 16.5
Copper ore, Roan Antelope, Africa	2146	Copper Range, Freda, Mich.	2.69	BM-48 BM-100 BM-200	8.8 8.7 8.0
Copper ore, white pine shale	2078A	Copper Range, Painesdale, Mich.	2.67	BM-14 BM-35 BM-65 BM-100 BM-200	21.5 17.4 14.9 16.5 13.4
Copper ore	1599	Copper Range, Freda, Mich.		BM-200	18.3
Copper ore, white pine sandstone 5	1000H	Copper Range, Painesdale, Mich.		BM-150 BM-200	11.2 13.3
Copper ore, white pine sandstone 4				BM-150 BM-200	13.7 15.7
Copper ore, white pine sandstone 3	1000G	Copper Range, Painesdale, Mich.	2.97	BM-28 BM-35 BM-48 BM-65 BM-100 BM-150 BM-200	15.4 14.7 14.1 13.4 13.7 12.3 11.3

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Copper ore, white pine sandstone 2	1000F	Copper Range, Painesdale, Mich.	2.63	BM-28	6.6	
				BM-35	9.5	
				BM-48	11.2	
				BM-65	14.2	
				https://www.911metallurgist.com/	BM-100	15.7
				BM-150	18.8	
				BM-200	17.7	
BM-100	16.3					
Copper ore, white pine amygdaloid	1000C		2.93	RM-48	18.7	
				RM-48	12.8	
Copper ore, white pine sandstone 1	1000B		2.68	BM-28	11.7	
				BM-35	10.5	
				BM-48	10.8	
				BM-65	11.7	
				BM-100	13.5	
Copper ore, white pine amygdaloid	1000A		2.93	BM-28	24.7	
				BM-35	21.6	
				BM-48	21.5	
				BM-65	20.2	
Copper ore	432	Cyprus Mines Corp., Skowriotissa Nicosia, Cyprus	4.48	BM-65	12.7	
				BM-100	12.2	
				BM-200	11.3	
Copper ore, Cu Au Ag massive	1923	East Sullivan Mines, Ltd., Val D'Or, Quebec	3.58	RM-14	10.6	
Copper ore, mill feed			2.27	BM-200	14.1	
Copper ore from Chile	2682 B & C	Granby Consolidated, Princeton, B. C.	2.84	BM-65	14.5	
				BM-100	15.3	
				BM-200	13.4	
				RM-14	14.4	
Copper ore	1566B	Granby Consolidated, Princeton, B, C.	2.83	BM-200	21.2	
				RM-14	19.4	
Copper ore	1752	Kennecott Copper Corp., Ray, Arizona	2.65	RM-14	10.8	
Copper ore, granite	2563 EFG	Magma Copper, Superior, Ariz.	2.63	BM-48	13.7	
				BM-65	13.3	
				BM-200	11.5	
				RM-14	12.9	
				IC	10.7	
Copper ore, granite	2563D	Magma Copper, Superior, Ariz.	2.68	BM-48	13.8	
				BM-65	13.6	
				BM-100	14.3	
				RM-14	14.9	
				IC	10.7	
Copper ore, granite	2563	Magma Copper, Superior, Ariz.	2.63	BM-100	12.4	
				BM-200	12.8	
				IC	10.7	

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Copper ore	2419	Magma Copper Co., Phoenix, Ariz.	2.53	IC	7.8
Copper ore, Castle Dome	1042B & C	Miami Copper Co., Miami, Ariz.	2.75	BM-28 BM-35 BM-150 BM-200	13.7 13.4 12.6 13.5
Copper ore, Miami ore	1042A	Miami Copper Co., Miami, Ariz.	2.69	BM-28 BM-48 BM-65 BM-100	14.5 12.7 13.2 12.3
Copper ore	249	Mines de Bor, Yugoslavia	3.18	BM-200	8.4
Copper ore	1692	Mining & Smelting Co. of Canada, Kimberley, B. C.	3.80	RM-10	15.3
Copper ore, Chino	1060A	Nevada Cons. Copper Co., Chino Mines, Hurley, N. Mex.	3.05	BM-28 BM-35 BM-48 BM-65 BM-100 BM-150 BM-200	8.4 10.4 9.6 10.2 10.5 11.0 11.6
https://www.911metallurgist.com/					
Copper ore	2081	New Cornelia Copper Co., Ajo, Ariz.	2.69	IC	21.3
Copper ore	684B	New Cornelia Copper Co., Ajo, Ariz.	2.68	BM-28 BM-35	18.5 16.6
Copper ore, hard monzonite	1937B	Phelps-Dodge Corp., Morenci, Ariz.	2.64	BM-65 BM-200 IC	10.3 12.0 8.4
Copper ore, granite porphyry	1937	Phelps-Dodge Corp., Morenci, Ariz.	2.66	IC	13.8
Copper ore, soft monzonite porphyry			2.70	IC	8.9
Copper ore	913	Phelps-Dodge Corp., Morenci, Ariz.	2.63	BM-28 BM-35 BM-48 BM-65 BM-100 BM-150 BM-200 RM-20 RM-28 RM-35 RM-48	8.6 9.5 10.3 11.0 11.7 12.5 13.0 9.0 8.6 10.6 10.8
Copper	684	Phelps-Dodge Corp., Morenci, Ariz.	2.68	BM-48 BM-65 BM-100 BM-200	15.0 14.3 13.7 14.5
Copper ore	1036	Quincy Mining Co., Hancock, Mich.	3.30	BM-28 BM-35 BM-48 BM-65 BM-100	15.5 17.5 16.0 16.2 14.9

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Copper ore	2678	Societe Francaise d'Etude & 'Enterprise, Paris, France	2.77	BM-200	13.5
Copper ore	1717	Southwestern Engr. Co., Ergani, Fresh ore, Turkey	4.45	BM-200	10.5
Copper ore	561	Stadacona Rouyn Mines, Ltd., Rouyn, Quebec	3.16	BM-65	12.5
Copper ore, London	2779 A & B	Tennessee Copper Co., Copperhill, Tenn.	3.73	HC IC	8.5 8.83
Copper ore, London mill	2613	Tennessee Copper Co., Copperhill, Tenn.	3.80	BM-100 RM-35	8.6 6.7
Copper ore, Isabella ore	2287	Tennessee Copper Co., Copperhill, Tenn.	4.57	RM-4	10.5
Copper ore, Isabella mill ore	1750	Tennessee Copper Co., Copperhill, Tenn.	4.52	BM-48 RM-14	7.8 9.8
London mill	https://www.911metallurgist.com/		2.74 4.54	IC BM-48 RM-14	8.8 4.9 6.7
London rock			2.81	IC	12.0
Copper ore, London	263	Tennessee Copper Co., Copperhill, Tenn.	3.47	BM-48 BM-65	8.0 9.2
Copper ore, Penn mine	2044	U. S. Engrs., Bull Shoals Project, Mountain Home, Ark.	2.85	IC	10.6
Copper ore	1763	Utah Copper Co., Arthur, Utah	2.57 2.70	IC RM-14	12.6 12.2
Copper ore	938B	Utah Copper Co., Arthur, Utah	2.86	RM-20 RM-28 RM-35 RM-48	11.4 11.1 10.5 10.1
Copper ore	938A	Utah Copper Co., Arthur, Utah	2.86	BM-28 BM-35 BM-48 BM-65 BM-100 BM-150 BM-200	12.8 10.8 10.5 10.6 10.6 11.2 11.7
Copper ore, chrysocolia	316	Wheeler, A. E., Belgian Congo, Africa	2.20	BM-100	14.2
Copper, silver, lead	660	Carlota, Chile	3.00	BM-100 BM-200	14.0 13.5
Copper lead - zinc ore	2733	American Smelting & Refining Co., Buchans, Newfoundland	3.70	BM-100 BM-200 RM-14	9.8 9.7 9.8
Copper matte	2407	Mines Usines de Salsigne, France	4.27	IC	6.8
Corundum	1948	Carborundum Co., Niagara Falls, N. Y.	4.0	RM-8	34.9
Corundum	2836	Carborundum Co., Niagara Falls, N. Y.	3.91	IC	16.9
Cryolite ore	958	Pennsylvania Salt Mfg. Co., Natrona, Pa.	3.20	RM-48 IC	5.5 3.3
Diorite	2625	Cons. Builders Inc., Detroit Dam, Mill City, Ore.	2.70	IC	14.0

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Diorite	2473	Morrison-Knudsen Co., Eugene, Ore.	2.83	RM-4	17.3
Diorite	2560	Stoughton Crushed Stone Co., Stoughton, Mass.	2.92	IC	23.0
Diorite, fine grained	2323	Superior Stone Co., Raleigh, N. Car.	2.81	IC	28.5
Dolerite	2016	E. L. Bateman Co., Union of South Africa	2.93	IC	29.9
Dolomite	2588	Geneva Steel Co., Keighley Quarry	2.70	IC	15.7
Dolomite, hard	2715	Jointa Lime Co., Glens Falls, N. Y.	2.72	IC	18.6
Dolomite	2386	Mario Panduff Co., Sterling, Mass	2.75	IC	8.0
Dolomite, white	1066A	New England Lime Co., Canaan, Conn.	2.70	RM-6	2.5
Dolomite	2760	U. S. Steel Co., Div. Mich. Limestone, Millville, Jefferson County, W. Va.	2.85	IC	12.4
Dumortierite	1407	Champion Spark Plug Co., Detroit, Mich.	3.21	IC	30.8
Emery	410	American Emery Wheel Works, Richmond Square, Providence, R. I.	3.89	RM-65	39.6
Emery, abrasive	656	Monsanto Chemical Co., Anniston, Ala.	3.91	BM-100	22.1
Emery grinding wheel chips	1089	Allegheny-Ludlum Corp., Waterville, N. Y.	2.92	BM-48	109.6
Emery scrap grinding wheels	989	Milwaukee Steel Co., Milwaukee, Wis.	3.22	BM-48	57.0
Feldspar	1103	Cons. Feldspar Co., Erwin, Tenn.	2.60	BM-35	8.9
		https://www.911metallurgist.com/		RM-28	11.5
				RM-35	9.1
Feldspar	934	Cons. Feldspar Co., Erwin, Tenn.	2.60	RM-20	8.4
Feldspar	1553	Golding-Keene Co., Keene, N. H.	2.58	BM-200	11.6
Feldspar	784	Golding-Keene Co., Keene, N. H.	2.58	RM-14	10.6
				RM-20	9.6
Feldspar	805	Oxford Mining & Milling Co., Bates, Maine	2.60	RM-14	16.4
Ferro-chrome alloy	743	Chromium Mining & Smelting Co., Toronto	6.62	BM-100	10.1
Ferro-chrome, HC hard	2517	Electro Met. Co., Div. of Union Carbide and Carbon, Niagara Falls, N. Y.	7.02	IC	16.5
Ferro-chrome, HC regular			7.03	IC	3.2
Ferro-chrome; Cr 68%, C 5%	1928	Ohio Ferro Alloys Corp., Tacoma, Wash.	6.80	IC	6.7
Ferro-chrome; Cr 68%, C 7%			6.95	IC	8.4
Ferro-chrome	2503	Union Carbide & Carbon Corp., Niagara Falls, N. Y.	7.05	BM-200	11.9
Ferro-chrome, graphidex	2043	Vanadium Corp. of America, Niagara Falls, N. Y.	5.2	IC	4.5
Ferro-chrome, silicide			5.5	IC	3.0
Ferro-chrome, vancoram			7.9	IC	4.5
Ferro-magnesium mineral	1033	Basic Refractories, Maple Grove, Ohio	2.927	BM-48	6.9
				BM-65	7.1
				BM-100	6.2
				BM-150	7.0
				BM-200	9.0
Ferro-manganese alloy	442	Champion Rivet Co., Cleveland, Ohio	7.72	BM-65	6.8
Ferro-manganese slag, shotted	2782	Union Carbide & Carbon Corp., Electro Met. Co., Niagara Falls, N. Y.	3.16	BM-100	16.8
Ferro-manganese	1865	National Tube Co., Lorain Works, Ohio	7.20	IC	4.7

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Ferro-manganese, high carbon	1358	Union Steel Castings, Pittsburgh, Pa.	7.21	IC	4.2
Ferro-manganese			7.29	IC	9.0
Ferro-molybdenum	2775	Harnischfeger Corp., Milwaukee, Wis.	8.0	IC	174.
Ferro-phosphorus	1776	Monsanto Chemical Co., Columbia, Tenn.	7.08	BM-100 BM-200	1.2 4.8
Ferro-silicon, 84.6% Fe	1612	Allis-Chalmers Mfg. Co., Milwaukee, Wis.	6.64	BM-200 IC	40.8 9.95
Ferro-silicon, 50%	947	Electro Metallurgical Sales Corp., N. Y.	5.14	RM-65	8.7
Ferro-silicon, 75% Si	1067	Giffels and Vallet, Detroit, Mich.	3.23	BM-65 BM-100 BM-200	7.2 8.1 13.0
Ferro-silicon	839	Pittsburgh Metallurgical Co., Niagara Falls, N. Y.	4.61	BM-28 RM-35	6.0 6.6
Ferro-silicon, 60% Si	1574	Southern Ferro-Alloys Co., Chattanooga, Tenn.	3.60	RM-20	4.0
Ferro-silicon	1334	Southern Ferro-Alloys Co., Chattanooga, Tenn.	6.60	IC-20	5.0
Ferro-silicon, Vancoram 50% Si	2611	Vanadium Corp. of America, Niagara Falls, N. Y.	4.51	IC	4.0
Vancoram 75% Si		https://www.911metallurgist.com/	3.02	IC	11.4
Vancoram 92% Si			2.35	IC	7.3
Ferro-titanium, L. C. 18% Ti, 3.4% Si	2754	Vanadium Corp. of America, Bridgeville, Pa.	6.0	HC	152.
Ferro-titanium,	2754C	Vanadium Corp. of America, Bridgeville, Pa.	6.00	HC	3.5
Ferro-titanium, L. C. 25% Ti			6.0	IC	31.0
Ferro-vanadium primos, 75%			8.0	IC	23.1
Ferro-vanadium, crucible, 52%			8.0	IC	13.9
Firebrick	907B	Carnegie Illinois Steel Corp., Chicago, Ill.	2.49	BM-48	15.8
Fire clay	835	Standard Fuel Engr. Co., Detroit, Mich.	2.05 2.08	BM-100 BM-200	15.3 20.1
Flint, Tri-State jig tailings	440	Bureau of Mines, Rolla, Mo.	2.65	BM-48 BM-100 BM-200	30.0 29.0 24.8
Flint, roofing granules	1604	Flintcote Co., Thetford Mines, Quebec	2.60	BM	16.0
Flint, calcined	941	LaCledde Christy Clay Prods. Co., East St. Louis, Ill.	2.70	BM-48	31.0
Fluorspar	619	Alum. Ore Co., East St. Louis, Ill.	2.98	BM-65	5.6
Fluorspar	2244	Galigher Co., Salt Lake City, Utah	2.76	BM-200	10.9
Fluorspar	763	Kinetic Chemical, Inc., Arrey, N. Mex.	3.20	RM-14 RM-48	12.8 10.2
Fluorspar	1536	Pennsylvania Salt Mfg. Co., Natrona, Pa.	3.10	IC	4.4
Fuller's earth	1742	Allis-Chalmers Mfg. Co., Buenos Aires, Argentina	2.0	IC	0.13
Gabbro	1502	Lynn Sand & Stone Co., Lynn, Mass.	2.85	IC	18.2
Gabbro	2650	Morrison-Kiewit Macco Co., Lowell, Ore.	2.81	IC	21.2

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Gabbro	2626	Morrison-Kiewit Macco Co., Lookout Point Dam, Ore.	2.81	IC	16.8
Gabbro, Narrows quarry	2186	U. S. Engrs., Pine Flats Project, Fresno, Calif.	2.85	IC	17.7
Galena	2150	Cons. Mining & Smelting Co., Ltd., Kimberley, British Columbia	5.62	IC	4.8
Galena concentrate	462	Eagle Picher Smelting Co., Joplin, Mo.	7.68	BM-48	3.2
Galena in dolomite	2632	St. Joseph Lead Co., Bonne Terre, Mo.	2.87	BM-65	11.8
				BM-100	11.4
				BM-200	9.6
				RM-14	14.0
				IC	15.0
Garnet ore	1510	Barton Mines Corp., North Creek, N. Y.	3.25	RM-48	10.4
Garnet	269	Felder, K. T., Atlanta, Ga.	2.96	BM-48	13.6
Glass, broken bulbs	1713	Band Mfg. Co., St. Louis, Mo.	2.6	RM-35	11.5
Glass	945	Coming Glass Works, Corning, N. Y.	2.69	RM-10	13.0
Glass raw material	2111	National Mortar & Supply Co., Pittsburgh, Pa.	2.43	RM-14	9.8
Glass, window cullets	746	Pittsburgh Plate Glass Co., Pittsburgh, Pa.	2.60	RM-28	14.8
Gneiss	2040	Superior Stone Co., Richmond, Va.	2.80	IC	23.4
Gneiss	2323	Superior Stone Co., Raleigh, N. Car.	2.68	IC	20.9
Gneiss	186	U. S. Engrs., Marietta, Ga.	2.64	IC	16.1
Gold ore	524	American Cyanamid Co., Linden, N. J.	2.61	BM-100	16.0
Gold ore	808	American Metals Co., Cartaret, N. J.	2.90	BM-100	12.9
				BM-200	16.2
Gold ore	329	Atlantic Gulf & Pacific Co., Ipo Mine, Manila, P.I.	2.80	BM-65	10.7
				BM-100	11.1
Gold ore	629	Axerio Minerali Metallice, Italy	2.56	BM-150	7.0
Gold ore	402	Baguio Gold Mining Co., Baguio, P. I.	2.63	BM-200	12.3
Gold ore	733	Behn, Walter, Cooke, Mont.	2.80	RM-6	28.6
Gold ore	550	Benquet Cons. Gold Mines, Baguio, P. I.	2.66	BM-28	15.3
				BM-35	16.2
				BM-65	14.7
				BM-48	14.6
Gold ore, sulfides	705	Berens River Mines, Ltd., Winnipeg, Manitoba	3.25	BM-200	13.5
Gold ore, basic	477	Bernheim, Southern Rhodesia, South Africa	1.77	BM-28	32.0
				BM-48	30.9
				BM-100	23.8
				BM-200	22.1
Gold ore	1639	Buffalo Ankerite Gold Mines, S. Porcupine, Ontario	3.05	BM-200	17.1
				RM-14	19.5
Gold ore	614	Buffalo Ankerite Gold Mines, S. Porcupine, Ontario	3.22	BM-150	10.7
Gold ore	1817	Buffonta Mines, Ltd., Timiskaming County, Ontario	2.86	IC	22.6

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Gold ore	861	Butte Highlands Mining Co., Butte, Mont.	2.70	BM-100	7.7
				BM-200	8.5
Gold ore, quartz	338	Charles Butters, South America	2.65	BM-100	42.0
Gold ore (a)	1853B	Canadian Malartic Gold Mines, Ltd., Toronto, Ontario	2.71	IC	22.0
Gold ore (b)			2.73	IC	26.4
			2.73	IC	34.2
Gold ore	586	Canadian Malartic Mining Co., Amos, Quebec	2.71	BM-150	14.5
Gold ore	745	Cline Lake Gold Mines, Toronto, Ontario	2.81	BM-65	12.0
				BM-100	11.7
				BM-200	11.8
Gold ore, sulfide	547	Cia. Aurifera Saramarca, Lime, Peru	3.03	BM-48	13.6
Gold ore	715	Cia. Minera Ciclon, Santiago, Chile	3.07	BM-200	16.7
Gold ore	864	Consolidated Mining & Smelting Co., New Golden Rose Mines, Ltd., Canada	3.50	BM-48	9.3
				BM-100	9.2
				BM-150	9.3
				BM-200	10.5
Gold ore	250	Dahlongega Gold, Georgia	2.78	BM-100	13.5
Gold ore	779	East Malartic Mines, Ltd., Amos, Quebec	2.80	BM-28	9.8
				BM-48	9.5
				BM-65	9.1
				BM-150	8.9
				BM-200	9.4
Gold ore	505	Empire Star Mines Co., Lie Bright Mines, Emigrant Gap, Calif.	3.32	BM-100	12.4
Gold ore	1627	Francoeur Gold Mines, Ltd., Arntfield, Quebec	2.64	BM-200	14.9
Gold ore	2675	Fresnillo Co., Zacatecas, Mexico	3.00	BM-48	16.5
				RM-14	15.8
Gold ore	1977	Galigher Co., Salt Lake City, Utah	2.6	RM-20	13.2
Gold ore	889	Galigher Co., Salt Lake City, Utah	2.75	BM-200	14.5
Gold ore, arsenical	1241	Getchell Mines, Red Horse, Nev.	2.69	BM-28	9.6
				BM-35	11.9
				BM-65	11.8
				BM-100	11.7
				BM-200	11.7
Gold ore	714	Getchell Mines, Inc., Golconda, Nev.	2.60	BM-100	13.9
Gold ore, quartzite	2054	Grootvlei Prop. Ltd., Transvaal, South Africa	2.63	BM-48	13.5
				BM-100	15.9
				BM-200	16.6
Gold ore, banket			2.65	BM-100	14.5
Gold ore, bm feed			2.65	BM-200	15.3
Gold ore	2131	Hasaga Gold Mines, Ltd., Red Lake, Ontario	2.80	BM-200	17.4
				RM-14	18.0
Gold ore	1965	Homestake Mining Co., Lead, S. Dak.	3.47	BM-200	13.8
			3.15	IC	9.45

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Gold ore	1965C	Homestake Mining Co.,	2.93	RM-10	13.8
				RM-28	10.6
			3.12	BM-48	11.4
				BM-65	10.9
				BM-100	11.5
Gold ore	2524	Kalguri, Ltd., (North) Kalguorie, Australia	3.34	RM-14	15.4
			3.23	RM-14	15.7
Gold ore basic with pyrite	676	Kelowna Exploration Co., Ltd., Headly, British Columbia	3.22	BM-48	21.4
				BM-65	19.8
				BM-100	19.5
				BM-150	18.5
				BM-200	17.4
Gold ore	765	Kerr-Addison Mines, Ltd., Virginiatown, Ontario		RM-14	14.7
Gold ore	799D	Kerr-Addison Gold Mines, Ltd., Larder Lake, Ontario	3.01	BM-28	20.5
				BM-35	17.5
				BM-150	13.3
				BM-200	12.4
Gold ore	799A	Kerr-Addison Gold Mines, Ltd., Larder Lake, Ontario	3.05	BM-28	14.5
				BM-35	13.5
				BM-150	11.5
				BM-200	12.2
Gold ore	1831	Lake Shore Mines, Ltd., Kirkland Lake, Ontario	2.65	BM-200	19.5
				RM-6	22.8
				RM-14	18.7
Gold ore	1644	Lake Shore Mines, Ltd., Kirkland Lake, Ontario	2.70	BM-200	16.7
				RM-6	19.3
				RM-10	16.8
				RM-14	16.5
				RM-8	17.7
Gold ore, olivene	932	La Luz Mines, Ltd., Sivna, Nicaragua	2.98	BM-28	18.6
				BM-35	18.0
				BM-48	17.7
				BM-65	16.3
				BM-100	15.9
Gold ore	632	Liddell, W. A., El Paso, Texas	2.71	BM-100	15.5
Gold ore	570	Little Long Lac Gold Mines, Geraldton, Ontario	2.64	BM-28	17.2
				BM-35	16.4
				BM-48	17.0
				BM-65	16.8
				BM-100	17.6
				BM-150	15.8
Gold ore	626	Madsen Red Lake Gold Mines, Red Lake, Ontario	2.65	BM-65	15.0

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Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Gold ore	1592	Malartic Gold Fields Co., Halet, Quebec	2.90	BM-28 BM-35 BM-48 BM-65 BM-100 BM-150 BM-200 RM-10	16.5 16.5 14.3 12.8 13.0 12.8 13.5 16.4
https://www.911metallurgist.com/					
Gold ore, quartzite	2054	Marievale Cons. Mines, Ltd., Transvaal, South Africa	2.65	RM-14	14.6
Gold ore, pyritic, dark color	1675	Martin Bros., Butte, Mont.	2.72	IC	5.7
Gold ore, pyritic, light color	1675	Martin Bros., Butte, Mont.	2.47	IC	3.7
Gold ore	2036	McIntyre Porcupine Mines, Ltd., Porcupine, Ontario	3.13	BM-65 BM-200 RM-6 RM-14	13.2 13.4 16.2 13.2
Gold ore	1722	Merrill Co., San Francisco, Calif.	2.64	BM-65	11.7
Gold ore	301	Merritt, E. T., Duluth, Minn.	2.72	BM-100	14.5
Gold ore	782	Mineral Mining Corp., Kershaw, S. Car.	2.40	BM-35	6.0
Gold ore, sulfides	339	Mines de Bong, Min Camky, Annam, Indo China	3.07	BM-150	13.3
Gold ore	637	Minn. Mines Corp., Idaho Springs, Colo.	2.81	BM-65 BM-150	11.4 12.8
Gold ore		Noranda Mines, Ltd., Noranda, Quebec	2.85	BM-48 BM-100 BM-200	20.3 18.5 16.0
Gold ore	2449	O'Brien Gold Mines, Cadillac, N.W. Territory, Quebec	2.77	BM-100	14.1
Gold ore	574	Pan-American Engr. Co., Santa Maria, Del Ore, Mexico	3.10	BM-65 BM-100 BM-200	11.8 13.5 14.0
Gold ore, oxidized quartz	880	Picacho Mining Co., Yuma, Ariz.	2.55	BM-48 BM-65	11.3 12.0
Gold ore, decomposed granite	517	Picacho Mining Co., Yuma, Ariz.	2.64	BM-65	14.0
Gold ore, granite	517	Picacho Mining Co., Yuma, Ariz.	2.64	RM-8	8.6
Gold ore	949	Powell-Rouyn Gold Mines, Ltd., Rouyn, Quebec	2.97	BM-150 BM-200	14.0 14.3
Gold ore	694	Preston East Dome Mines, Ltd., Porcupine, Toronto, Ontario	2.97	BM-200	9.0
Gold ore	2082	Queenstown Gold Mines, Ltd., E. Kirkland Lake, Ontario	2.85	BM-65 BM-200 RM-6	15.3 12.9 20.7

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Gold ore, soft	331	Red Cross Mining Co., Marysville, Calif.	2.60	BM-28	3.0
Gold ore, quartz	518	Rochester-Plymouth Mines Co., Nev.	2.75	BM-100 BM-200	11.9 12.5
Gold ore	255	San Fernando Co., Annexas, Mexico	2.73	BM-48	14.1
Gold ore, quartz	730	San Luis Mining Co., Mazatlan, Mexico	2.78	BM-28 BM-35 BM-48 BM-100 BM-200	16.3 15.7 14.9 14.9 18.7
https://www.911metallurgist.com/					
Gold ore	602	Seal Harbor Gold Mines, Canadian Labs., Windsor, Ontario, Nova Scotia	2.76	RM-48	11.2
Gold ore	1970	Sherritt Gordon Mines, Sherriton, Manitoba	3.01	BM-65 BM-200	12.3 11.4
Gold ore, sulfides	209	Sherritt Gordon Mines, Sherriton, Manitoba	3.09	BM-48	11.4
Gold ore, pyritic	567	Sindicato Minero De Parcoy, Lime, Peru	3.76	BM-65 BM-150	11.7 11.9
Gold ore	206	Sherritt Gordon Mines, Sherriton, Manitoba	3.10	BM-100	13.1
Gold ore	646	Smith, A. O., Corp., Milwaukee, Wis., Round Mt., Nev.	2.68	BM-48	16.0
Gold ore	587	Smith, A. O., Corp., Milwaukee, Wis., King Solomon Mine, Yreka, Calif.	2.66	BM-65	16.0
Gold ore	321	Smith, Geo. Myrtle Point, Coos County, Ore.	2.66	BM-65	14.2
Gold ore	710	Smith, M. A., Eastern Cuba	3.10	BM-150 BM-200	10.7 13.6
Gold ore, quartz with pyrite	752	South American Dev. Co., Cotopaxi, Northern Ecuador	3.81	BM-48 BM-65 BM-100 BM-200	8.7 9.4 9.4 11.1
Gold ore	538	Spring Hill Gold Mines, Grass Valley, Calif.	2.83	BM-65	13.8
Gold	504	Springs Mine, Rand, Johannesburg, South Africa	2.71	BM-28 BM-35 BM-48 BM-65 BM-100 BM-150 BM-200	15.0 16.0 15.7 15.0 15.6 15.1 15.6
Gold ore	530	Sutton, Steele & Steele, via A. D. Stephens, Ariz.	2.98	RM-20 RM-35	9.6 10.5
Gold ore	802	Tonapah Mining Co., Tonapah, Nev.	2.95	BM-100	13.8
Gold ore	821	Upper Canada Mines, Ltd., E, Kirkland Lake, Ontario	3.13	BM-200	13.0
Gold ore basic, hard	498	Veraguas Mines, Ltd., Colon, Republic of Panama	2.78	BM-100	22.6
Gold ore	1761	Waite-Amulet Mines, Inc., Noranda, Quebec	3.35	RM-14 IC	17.2 10.7
Gold ore	903	Western Machy. Co., Sacramento, Calif.	2.70	BM-100	19.0

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Gold ore	2193	Western Mining Corp., Melbourne, Australia	2.67	IC	10.3
			2.65	BM-100	10.3
				RM-14	15.9
Gold ore, Kilgarn			2.91	IC	20.1
Gold ore, quartz	474	Winans, H. C., New York - Brazil	2.72	BM-150	15.1
Gold ore	406	Wright-Hargreaves, Ltd., Kirkland Lake, Ontario	2.68	BM-28	31.0
				BM-48	23.2
				BM-100	20.0
				BM-200	17.0
	https://www.911metallurgist.com/				
Gold-silver ore	564	Viles, F., Great Falls, Mont.	2.86	BM-100	12.2
Gold-silver ore	346	Sindicato Minería Santa María, de Hualgagoc Pacasmayo, Peru		BM-28	12.0
			4.08		
Granite, biotitic	875	W. A. Burton, Llano, Texas	2.65	RM-3	15.7
Granite	1630	Campbell Limestone Co., Pocollet, S. Car. Spartanburg Plant	2.64	IC	7.95
			2.54	IC	6.67
Granite, pink	1412	Cold Springs Granite Co., Cold Springs, Minn.	2.65	IC	13.4
Granite, red			2.65	IC	21.8
Granite	2298	Cons. Builders, Inc., Mill City, Ore.	2.64	RM-4	22.5
Granite	1255	Emsco Refractories Co., Lehi, Utah	2.78	BM-48	10.7
Granite	2850	Fletcher, H. E. Co., W. Chelmsford, Mass.	2.61	IC	17.9
Granite	1772	Granite Rock Co., Watsonville, Calif.	2.70	IC	12.2
Granite pebbles	1516	Gregg, John D., Roscoe, Calif.	2.60	IC	7.2
Granite, red	1908	Harbison-Walker Refractories, Freedom, Wis.	2.60	IC	14.2
Granite, coarse grained	1793	Harbison-Walker Refractories, Freedom, Wis.	2.71	IC	22.6
Granite, fine grained			2.71	IC	16.0
Granite, red	1674	Montello Granite Co., Montello, Wis.	2.65	IC	10.2
Granite	1710	Palmetto Quarries, Columbia, S. Car.	2.63	IC	17.5
Granite	1536	Pennsylvania Salt Mfg. Co., Natrona, Pa.	2.70	IC	13.1
Granite, red	2190	Rowe Contracting Co., Malden, Mass.	2.67	IC	15.1
Granite pebbles	1516	Saticoy Rock Co., Saticoy, Calif.	2.60	IC	4.7
Granite, red	1412	Spencer Quarries Co., Spencer, S. Dak.	2.60	IC	31.9
Granite	2560	Stoughton Crushed Stone Co., Stoughton, Mass.	2.68	IC	16.9
Granite, coarse grained	2323	Superior Stone Co., Raleigh, N. Car.	2.68	IC	21.5
Granite	1611	Superior Stone Co., Red Hill, Va.	2.82	IC	10.3
Granite	2159	U. S. Engrs., Pine Flats Project, Fresno, Calif.	2.72	IC	20.3
			2.73	IC	16.4
Granite	1926	U. S. Engrs., Pugs Island Dam, Norfolk, Va.	2.65	IC	16.8
Granite	1886	U. S. Engrs., Marietta, Ga.	2.65	IC	13.1
Granite	1689	U. S. Engrs., Jacksonville, Fla.	2.63	IC	11.6
Granite	1864	Weston Brooker Co., Camak, Ga.	2.65	RM-4	17.5
				RM-6	16.1

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Granite	1719	Weston & Brooker Co., Columbia, S. Car.			
Light gray			2.61	IC	11.7
Red			2.63	IC	11.6
Dark gray			2.65	IC	21.8
Gray coarse			2.64	IC	15.4
Red (caycee)			2.66	IC	15.6
Gray (caycee)			2.65	IC	13.6
Granite			2.64	IC	15.0
Granite (camak)	1347	Weston & Brooker Co., Columbia, S. Car.	2.65	IC	11.2
Graphite, artif.	937	Aluminum Co. of America, Alcoa, Tenn.	1.67	BM-36	110.
Graphite	287	Condon, C. A., Talladega, Ala.	2.25	BM-48	4.4
Graphite	860	Long Valley Ore Co., Morristown, N. Y.	1.60	BM-150	42.8
				BM-200	46.0
Graphite	728	U. S. Graphite Co., Saginaw, Mich.	1.62	RM-20	28.8
				RM-20	31.5
Gravel, pea	1649	American Aggregates Corp., Brighton, Mich. (Via. Detroit)	2.7	RM-35	15.1
Gravel, trap rock	1578	California Rock & Gravel Co., San Francisco, Calif.	2.86	IC	15.2
Gravel, pea	750	Dravo Corp., Neville Island, Pittsburgh, Pa.	2.65	RM-10	14.8
Gravel	2755	Harbison-Walker Refractories, Pittsburgh, Pa.	2.70	BM-48	10.7
				BM-150	15.2
				RM-6	7.6
Gravel	1204	Industrial Silica Corp., Youngstown, Ohio	2.65	RM-10	10.8
				RM-20	13.5
Gravel	1916	Lyman Rickey, Columbus, Nebr.	2.70	RM-10	15.3
Gravel, pea	765	Material Service Corp., Lockport, Ill.	2.65	RM-6	13.8
Gravel	324	Pacific Coast Aggregates, Pleasanton, Calif.	1.53	BM-28	27.0
				BM-35	27.0
Gravel with sea shells	967	Sociedad De Abonos Calizos, Chile, South America	2.53	BM-65	15.6
Gravel, pea	1895	Utah Sand & Gravel, Salt Lake City, Utah	2.65	RM-4	21.9
Gravel, pea	815	Wamer Co., Van Sciver Plant, Morrisville, Pa.	2.65	RM-4	16.5
Gypsum rock, hard	2177	Canadian Gypsum Co., Nova Scotia	2.96	IC	4.3
			2.33	IC	4.8
Gypsum rock	696	Diamond Crystal Salt Mfg.	3.16	RM-28	11.2
Gypsum rock	1769	Idan, E. C., Albuquerque, N. Mex.	2.30	IC	6.1
Ilmenite sand pigment	192	Krebs Pigment & Color Corp., Baltimore, Md.	4.65	BM-200	14.8
Iron ore					
Hematite, fine grained	1377	Republic Steel Co., Spaulding Mine, Birmingham, Ala.	3.30	IC	4.5
Hematite, non-magnetic	914	Alan Wood Steel Co., Mozan, Japan	3.40	BM-65	7.25
Hematite, magnetite			3.42	RM-20	19.7
Hematite	2756	Algoma Ore Prop., Ontario	3.87	RM-20	11.1
			3.66	RM-20	11.6
			3.32	RM-20	12.0

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Iron ore (cont'd)					
Hematite	1849B	Algoma Ore Prop., Helen Mines, Ontario	3.55	IC	13.4
Hematite	2060	Carnegie Ill. Steel, Rio Doce, Brazil	5.05	IC	20.0
Hematite	754	Charleston Iron Mining Co., Hibbing, Minn.	3.90	RM-4	15.3
Hematite	2123C	Cleveland Cliffs Iron Co., Ishpeming, Mich.	3.3	RM-10	16.7
Hematite	2714	Cia. Fundidora de Fierro y Acero de Monterrey, S. A., Mexico	4.15	IC	17.7
Hematite	1921	Dorr Co., Sydvarasger, Norway	3.52	RM-14	21.6
Hematite	419	Eastern Mabelite Corp., New York City	2.90	BM-200	18.0
Hematite	2666	Empresa Siderugica Nacional, Bogota, Colombia	2.97	IC	7.1
Hematite	2357	Interstate Iron Co., Calumet, Minn.	2.80	IC	13.8
Hematite	2805	Columbia Geneva Steel Co., Geneva, Utah	3.30	HC	13.9
Hematite, Tracy shaft	2721C	Jones & Laughlin Steel Co., Negaunee, Mich.	3.44	BM-65	11.3
				BM-100	9.8
				BM-200	9.0
				BM-325	9.5
				RM-8	14.0
				RM-14	12.6
				RM-20	11.6
				IC	7.5
Hematite	2815	Hanna, M. A. Co., Groveland, Iron Mt., Mich.	3.50	IC	17.4
Hematite, Tracy open pit	2721B	Jones & Laughlin Steel Co., Negaunee, Mich.	32.4	BM-65	13.7
				BM-100	12.5
				BM-200	10.8
				BM-325	10.8
				RM-8	15.9
				RM-14	14.7
				RM-20	13.8
				IC	7.2
Hematite	2509	Liberia Mining Co., Ltd., Monrovia, Liberia	4.85	IC	9.0
Hematite	2093	Liberia Mining Co., Ltd., Monrovia, Liberia	4.72	IC	6.8
Hematite	342	Marquette Carbonate Co., Milwaukee, Wis.	3.62	BM-100	9.3
Hematite	2554	Metals Refining Co., Hammond, Ind.	5.22	BM-35	7.5
Hematite	1193A	Minerals Separation of N. A., Hibbing, Minn.	2.78	BM-150	12.5
Hematite	2010	Minn. Mining & Mfg. Co., St. Paul, Minn.	2.60	BM-200	16.7
Hematite, red mag. conc.	2851	National Lead Co., New York, N. Y.	2.70	RM-6	13.4
			2.90	BM-100	8.9
Hematite, Virginia	1931	Oliver Iron Mining Co., Hibbing, Minn.	3.26	IC	10.5
Hematite	1515	Oliver Iron Mining Co., Soudan Mine, Tower, Minn.	4.85	IC	13.5
Hematite, jasper	1427	Oliver Iron Mining Co., Soudan Mine, Tower, Minn.	4.93	IC	16.5
			3.42	IC	11.0
Hematite, ferruginous quartzite	2684	Orinco Iron Ore Co., Cerro Bolivar, Venezuela	3.53	IC	12.0
Hematite, ferruginous quartzite	2355	Ozark Ore Co., Iron Mountain, Mich.	3.40	IC	17.6
Hematite, ferruginous quartzite	1889	Ozark Ore Co., Iron Mountain, Mich.	2.88	IC	18.5

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Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Iron ore (cont'd)					
Hematite, tailing	1979	Ozark Ore Co., Iron Mountain, Mich.	3.47	RM-8 RM-10 RM-14	19.3 17.6 16.5
Hematite, hem. high ti.	2789	Quebec Iron & Ti Corp., Montreal, Canada		HC322 HC122	9.5 10.0
Hematite, coarse grained	1377	Republic Steel Co., Spaulding Mine, Birmingham, Ala.	3.29	IC	5.2
Hematite, fine grained			3.30	IC	4.5
Hematite	2752	Sierra Leone Development Co., Freetown, West Africa	3.57	IC	13.6
Hematite, black	2311	Societe Pour L'Etude du Chargement, France	3.45	IC	12.8
Hematite, red			3.69	IC	13.4
Hematite	1921	Sydvaranger Co., Kirkenes, Sweden	3.36	IC	20.7
Hematite, Concord mine	2715	Tenn. Coal, Iron Co., Fairfield, Ala.	2.65	IC	18.8
Hematite	1366	Wisconsin Steel Co., Nashwauk, Mich.	4.20	IC	6.3
Hematite, oolitic, low grade	1814	Fabrica de Mierces, Quiros, Spain	3.49	IC	9.7
Hematite, oolitic, Ishkooda, No. 14	1987	Tenn. Coal, Iron & R.R. Co., Birmingham, Ala.	3.49	IC	9.1
Hematite, oolitic	291	Bowring & Co., Belmonte, Spain	3.53	BM-35	13.3
Hematite, oolitic	288	Bowring & Co., Keradid, Morocco	3.10	BM-35 BM-65	13.5 13.6
Hematite, roasted	315	Bowring & Co., Keradid, Morocco	3.00	BM-100	8.8
Hematite, specular	2123A	Cleveland Cliffs Iron Co., Ishpeming, Mich.	3.3	IC	13.4
Hematite, specular	1571	Globe Iron Co., Duluth, Minn.	2.90	IC	15.2
Hematite, specular	2753	Stripa Gruvaktiebolag, Guldsmeshyttan, Sweden	3.65	RM-10	13.0
Limonite	2263	Bethlehem Steel Co., Mines de L'Quenza, Algeria	3.05	IC	10.9
Limonite	869	Pardners Mine, N. Y. Cuba	2.0	BM-150	6.0
Magnetite	914	Alan Wood Steel Co., Mozan, Japan	3.42	RM-20	19.7
Magnetite	931	Alan Wood Steel Co., Scrub Oaks Div., New York	3.63	BM-35 BM-48 BM-65	8.3 8.3 9.9
		https://www.911metallurgist.com/			
Magnetite, high grade	2674	Alan Wood Steel Co., Scrub Oaks, New York	5.20	BM-200	14.5
Magnetite	1511	American Cyanamid Corp., Stanford, Conn.	3.06	BM-200	16.1
Magnetite, Cornwall No. 4, caved	2720B	Bethlehem Steel Corp., Pa.	3.62	BM-100 RM-14	8.9 12.1
Magnetite, Morgantown, Grace mine	2720	Bethlehem Steel Corp., Pa.	3.68	BM-100 RM-14	10.1 9.7
Magnetite, Cornwall open pit	2671G	Bethlehem Steel Corp., Pa.	3.63	BM-100 RM-14	7.1 8.3
Magnetite, drill core sample, Marmora	2671F	Bethlehem Steel Corp., Pa.	4.13	RM-14	18.5

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Iron ore (cont'd)					
Magnetite, Bethlehem ore	2671B	Bethlehem Steel Corp., Sparrows Point, Baltimore, Md.	4.35	IC	7.75
Magnetite, pyrite, bornite	2187	Bethlehem Steel Corp., Cornwall Mines	3.56	IC	5.54
Magnetite	2069	Colorado Fuel & Iron Co., Pueblo, Colo.	5.13	IC	10.4
Magnetite	1397	Hanna Ore Co., Newton Falls, N. Y.	4.24	IC	9.6
Magnetite	1022	Hanna, M. A. Co., Clifton Mines, N. Y.	4.60	BM-28 RM-28	11.3 10.1
Magnetite	837	Inland Steel Corp., Chicago, Ill.	3.52	BM-48 BM-150	6.3 9.1
Magnetite	1023	Jackson County Iron Co., (Inland Steel) Black River Falls, Wis.	3.98	BM-100 BM-150	10.3 9.5
Magnetite	2525	Jones & Laughlin Ore Co., Star Lake, N. Y.	3.47	RM-14	4.5
Magnetite	2317B	Jones & Laughlin Ore Co., Star Lake, N. Y.	3.28	RM-14 IC	8.7 7.6
		https://www.911metallurgist.com/	3.60	RM-14 IC	8.1 7.1
Magnetite, Benson West	2317	Jones & Laughlin Ore Co., Star Lake, N. Y.	3.36	RM-14 IC	6.3 9.8
Magnetite, Benson East			3.55 3.50	RM-14 RM-14	5.6 4.5
Magnetite	1905	Jones & Laughlin Ore Co., Newton Falls, N. Y.	3.06	IC	13.2
Magnetite	1644B	Jones & Laughlin Ore, Star Lake, N. Y.	3.31 3.23	RM-14 RM-14	8.0 7.0
Magnetite	1379	Knight, Wm., N. Car.	4.77	IC	3.1
Magnetite, with ilmenite	2154	McBroom-Bradley, Northern Minnesota	4.68	BM-100 RM-14 IC	14.1 11.5 5.9
Magnetite	756	Moose Mountain Co., Sellwood, Ontario	3.42	BM-65 BM-150 BM-200 RM-6	11.7 10.8 11.7 25.3
Magnetite	2705	Oglebay Norton Co., Ashland, Ky.	4.72	BM-200	12.8
Magnetite, Otanmaki	2065	Oy Mercantile AB, Helsinki, Finland	4.32	IC	10.0
Magnetite	868	Republic Steel Co., Mineville, N. Y.	2.98	BM-28 BM-35 RM-10	8.7 9.2 9.6
Magnetite, Harmony	822	Republic Steel Co., Mineville, N. Y.	3.65	RM-20 RM-35	9.5 10.3
Magnetite, new bed			4.51	RM-20 RM-35	8.3 12.1
Magnetite, old bed			4.48	RM-20 RM-35	8.7 11.9
Magnetite	1065	Warren Pipe & Foundry Co., Port Hope, N. J.	3.47	RM-6	8.4
Magnetite, underground	2102	Chateau Magnetite, Teton County, Mont.	3.87	IC	9.3
Magnetite, surface			4.04	IC	5.5

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Iron ore (cont'd)					
Magnetite	251	DuPont de Nemours & Co.	4.55	BM-200	15.1
Siderite	1536	Pennsylvania Salt Mfg. Co., Natrona, Pa.	3.80	IC	2.4
Taconite, mag. conc.	2739	Bethlehem Steel Corp., Pa.	3.80	BM-65	11.4
				BM-100	12.0
				BM-200	11.3
Taconite, mag. conc. from Marmora plant	2671F-2	Bethlehem Steel Corp., Pa.	3.88	BM-65	12.1
				BM-100	12.5
				BM-200	13.3
Taconite	2240B	Hanna, M. A., Co., Hibbing, Minn.	3.46	RM-20	10.2
				RM-35	8.5
Taconite	1167B	Oglebay Norton Co., Babbitt, Minn.	3.87	BM-100	7.7
Taconite	1167A	Oglebay Norton Co., Babbitt, Minn.	4.00	BM-28	10.5
				BM-35	10.7
				BM-48	10.2
				BM-65	10.7
				BM-100	10.7
				BM-150	11.8
				BM-200	12.3
Taconite, oxidized	28R2	Erie Mining Co., Hibbing, Minn.	2.98	IC	9.3
Taconite	2843	Erie Mining Co., Aurora, Minn.	3.45	IC	16.9
Taconite (Hibbing) Pit 11E	1803	Pickands Mather Co., Hibbing, Minn.	3.25	RM-10	22.2
				RM-14	19.0
				RM-20	17.5
				IC	26.9
(Aurora) Pit 5D			3.28	RM-10	23.7
				RM-14	20.3
				RM-20	19.3
				IC	14.5
Taconite	2475	Reserve Mining Co., Babbitt, Minn.	3.50	RM-14	16.0
				IC	15.0
Taconite, 20 Septaria B			3.37	RM-14	23.0
				IC	19.0
Taconite, 14 Argo			4.00	RM-14	15.0
				IC	12.8
Taconite, 12 Argo West			3.60	RM-14	15.7
				IC	16.1
Taconite, 11 Argo West			3.06	RM-14	12.5
				IC	14.1
Taconite, 7 Argo North			3.56	RM-14	16.7
				IC	12.4
Taconite, 4 Sulphur			3.41	RM-14	15.9
				IC	19.2
Taconite, 3 Sulphur			3.39	RM-14	16.9
				IC	15.0
Taconite, 1 Sulphur			3.61	RM-14	16.7
				IC	13.6

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Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Iron ore (cont'd)					
Taconite	2159	Reserve Mining Co., Babbitt, Minn.	3.50	IC	11.1
Taconite	1877C	Reserve Mining Co., Bly, Minn.	3.73	IC	19.3
Taconite, perp. to bands	1877	Reserve Mining Co., Babbitt, Minn.	3.75	IC	15.0
Taconite, par. to bands			3.75	IC	14.9
Taconite, Babbitt	1748	Reserve Mining Co., Montreal, Wis.	3.07	RM-14 IC	14.6 15.6
Taconite, 48.6% Fe	1456C		3.90	BM-200	11.2
Taconite, tails 16.9% Fe			3.33	BM-200	14.0
Taconite, heads 31% Fe			3.58	BM-200	12.0
Taconite, low grade	1456	Reserve Mining Co.,	3.16	IC	16.3
Taconite	39R	Reserve Mining Co., Babbitt, Minn.	3.48	IC	12.1
Taconite, low grade	2196	Stanley Mining Co., Biwabik, Minn.	2.80	IC	22.6
Taconite, banded jasper			4.48	IC	10.7
Iron oxide catalyst	1883	Stanolind Gas & Oil Co., Tulsa, Okla.	3.57	BM-100	10.5
Iron oxide sinter	1201	Combustion Engr. Co., Chattanooga, Tenn.	3.59	BM-65	10.0
Iron, mill scale	1035	Ford Motor Co., Dearborn, Mich.	5.80	BM-100 BM-200	16.0 19.2
		https://www.911metallurgist.com/			
Iron, chilled cast iron cuttings	436	Crucible Steel Co. of America, LaBelle Works, Pittsburgh, Pa.	7.8	BM-35	49.0
Iron, cast iron borings	325	DuPont de Nemours & Co., Wilmington, Del.	7.8	BM-35	15.0
Iron, cast shot	372	Miami Copper Co., Miami, Ariz.	7.07	BM-65	198.
Kyanite, gray	2529B	Taylor, Chas. & Sons, Cincinnati, Ohio	3.62	IC	31.5
Kyanite, red			3.59	IC	25.9
Lead ore, mill feed	2150	Cons. Mining & Smelting Co., Kimberley, British Columbia	3.45	BM-100 BM-200 RM-14	9.0 8.3 10.4
Lead ore	1692	Cons. Mining & Smelting Co., Kimberley, British Columbia	3.45	RM-10 RM-14	15.3 13.9
Lead ore, lead lode	2422	New Broken Hill Cons., Ltd., Australia	3.74	BM-100 BM-150	12.0 12.0
Lead ore	2534	St. Joseph Lead Co., Bonne Terre, Mo.	3.15	RM-14	12.1
Lead ore	2807	Societe Miniere et Met. de Penarroya, St. Sebastien, France	2.94	RM-14 BM-100	12.1 13.0
Lead slag	360	Arcade Smelting & Refining Co., Squantum, Mass.	7.56	BM-200	3.62
Lead sinter	2584	Bunker Hill & Sullivan, Kellogg, Idaho	3.55	RM-14	8.6
Lead sinter	341	Eagle Picher Smelting Co., Hillsboro, Ill.	3.75	BM-28	12.6
Lead-zinc ore	1657	St. Joseph Lead Co., Emeryville, N. Y.	3.46	BM-48 BM-200 RM-14	6.8 12.5 8.1

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Lead-zinc ore	2641	American Smelting & Refining Co., Van Stone Mine, Northport, Wash.	2.94	BM-48 BM-100 BM-200	9.0 9.4 10.5
Lead-zinc ore	2151	American Smelting & Refining Co., Vanadium, N. Y.	3.72	BM-65 BM-200	12.3 13.4
Lead-zinc ore	2820	American Zinc Co. of Tennessee, Mascot, Tenn.	2.84	RM-10 RM-14 BM-35 BM-65	12.7 11.4 11.8 11.9
https://www.911metallurgist.com/					
Lead-zinc ore	562	Axerio, Monteponi, Italy	4.43	BM-200	10.6
Lead-zinc ore	469	Montcatini Co., Italy	3.87	BM-48	12.3
Lead-zinc ore	2402	Pend Oreille Mines & Metals Co., Metaline Falls, Mich.	2.78	IC	13.2
Lead-zinc ore from Nigeria	2788	American Smelting & Refining Co., El Paso, Texas	3.58	BM-65	8.8
Limestone	2655	Alpha Portland Cement Co., Manheim, W. Va.	2.74	IC	11.25
Limestone	1552	American Smelting & Refining Co., Tacoma, Wash.	2.74	IC	11.54
Limestone	1513	A. C. Bateman, Johannesburg, South Africa	2.6	IC	3.55
Limestone	1367	Batesville White Lime Co., Batesville, Ark.	2.6	IC	16.6
Limestone	2322	Belencito Crushing Plant, Colombia	2.6	IC	7.1
Limestone	2584	Bunker Hill & Sullivan, Kellogg, Idaho	2.67	RM-14	10.0
Limestone	1590	Calaveras Cement Co., San Francisco, Calif.	2.70	BM-200	9.1
Limestone	1567	Cedar Bluff Stone Co., Princeton, Ky.	2.6	IC	12.0
Limestone, agg.			2.6	IC	15.3
Limestone, soft agg.			2.6	IC	11.5
Limestone	2800	Cia. Cemento Portland Bello Horizonte, Brazil	2.70	IC	14.1
Limestone	1642	Cia. De Cementos Portland, Colombia	2.7	IC	11.9
Limestone	1839C	Cia. de Intercambia y Credito Minero, Ecuador	2.7	BM-200	13.5
Limestone, hard	906	Crushed Rock Products Co., Schenectady, N. Y.	2.70	BM-200	12.9
Limestone	2145	Duke Limestone, Cumberland Furnace, Tenn.	2.70	RM-10	49.5
Limestone	2653B	Eldorado Mining & Refining, Ltd., Port Hope, Ontario	2.70	IC	11.72
Limestone	2746C	Foote Mineral Co., Paoli, Pa.	2.70	BM-100 BM-200	19.6 21.5
Limestone	1372	Fontana Dam, T. V. A., Knoxville, Tenn.	2.65	IC	16.7
Limestone	953	Franklin Limestone Co.	2.60	IC	15.8
Limestone	2689	General Crushed Stone Co., LeRoy, N. Y.	2.60	RM-10	14.0
Limestone	2689	General Crushed Stone Co., LeRoy, N. Y.	2.69	IC	22.2
Limestone	1533	General Crushed Stone Co., Auburn Plant, N. Y.	2.60	IC	10.7
Limestone	2588	Geneva Steel Co., Keighley Quarry, Utah	2.60	IC	11.7
Limestone	1661	Glens Falls Portland Cement Co., Glens Falls, N. Y.	2.60	IC	6.6

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Limestone	1487	Great Western Sugar Co., Horse Creek, Wyo.	2.57	IC	12.7
Limestone, crystalline	2703	Halliburton Portland Cement Co., Corpus Christi, Texas	2.71	BM-200	7.8
Limestone, coral	1605	Halliburton, E. P., Caracas, Venezuela	2.65	BM-200	11.3
Limestone, stratified	1715	Hwa-Hsin Cement Co., Shanghai, China	2.70	IC	5.5
Limestone	1398	Icaxa & Co., Panama City, Panama	2.60	IC	11.6
Limestone	2159	Inland Lime & Stone Co., Manistique, Mich.	2.65	IC	5.4
Limestone for A-C foundry	30R	Inland Lime & Stone Co., Manistique, Mich.	2.65	IC	6.6
Limestone	877	Kaiser, Henry J., Mt. View, Calif.	2.72	BM-65 BM-200	9.1 11.5
Limestone, hard	1929	Kershaw, Lambert Co., Cartersville, Ga.	2.70	RM-4	33.3
Limestone rock	1709	Knight, Wm., Lakefield, Fla.	2.58	IC	9.0
Limestone	2690	Le Roy Lime & Crushed Stone Corp., Le Roy, N.Y.	2.68	IC	15.2
Limestone	1700	Limestone Products Corp. of America, Newton, N. J.	2.70	RM-14 RM-35	10.1 8.5
Limestone	1395	Limestone Products Corp. of America, Newton, N. J.	2.70	RM-35	8.8
Limestone	2226	Lone Star Cement Co., Nazareth, Pa.	2.71	IC	6.9
Limestone	1942	Lone Star Cement Co., Birmingham, Ala.	2.71	IC	8.4
Limestone	1910	Lone Star Cement Co., Dallas, Texas	2.65	IC	5.9
Limestone	1844	Lone Star Cement Co., Synden, Texas	2.60	IC	9.6
Limestone	2002	Louisville Cement Co., Senersburg, Ind.	2.66	BM-200	10.6
Limestone	1961	Lutz Stone Co., Oshkosh, Wis.	2.72	IC	14.2
Limestone, white	1324	Mississippi Lime Co., St. Genevieve, Mo.	2.60	IC	6.3
Limestone, gray			2.65	IC	12.9
Limestone from Memphis	1318A	Missouri Portland Cement Co., St. Louis, Mo.	2.63	IC	17.6
Limestone, gray	1390	Old Colony Crushed Stone Co., West Quincy, Mass.	2.60	IC	16.5
Limestone	2552	Pend Oreille Mines & Metals Co., Metaline Falls, Wash.	2.70	IC	14.1
Limestone, high silica	2825	Penn. Dixie Cement Co., Kingsport, Tenn.	2.68	IC	14.1
Limestone, high calcium			2.68	IC	13.4
Limestone, fine grained	1402	Petosky Portland Cement Co., Petosky, Mich.	2.58	IC	6.1
Limestone, coarse grained			2.63	IC	14.6
Limestone	723	Pittsburgh Limestone Corp., Pittsburgh, Pa.	2.70	RM-10	16.2
concrete agg.		https://www.911metallurgist.com/	2.65	RM-8	15.3
Limestone	1394	St. Claire Lime Co., Oklahoma City, Okla.	2.60	IC	5.0
Limestone	1912	Shppard, Ray, Oshkosh, Wis.	2.73	IC	15.3
Limestone	2538	Solvay Process Div. Allied Chem., N. Y.	2.71	IC	11.7
Limestone	1900	Solvay Process Co., Ilmo, Mo.	2.60	IC	17.5
Limestone	2337	Southwest Portland Cement Co., El Paso, Texas	2.70	BM-200	9.1
Limestone	1497	Southwest Stone Co., Knippa, Texas	2.60	IC	10.4

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine	Work Index
Limestone, soft white	1484	Southwest Stone Co., Chico, Texas	2.60	IC	6.3
Limestone	2044	U. S. Engrs., Bull Shoals Project, Mountain Home, Ark.	2.60	IC	11.6
Limestone	2339	Universal Atlas Cement Co., Hudson, N. Y.	2.71	BM-200	11.5
Limestone	2814	Universal Atlas Cement Co., Pittsburgh, Pa.	2.67	BM-200	9.8
				OCId	16.9
				OCIIId	23.8
Limestone	1483	Warner Co., Philadelphia, Pa.	2.70	RM-14	13.5
Limestone	2159	Waukesha Lime & Stone Co., Waukesha, Wis.	2.73	IC	12.2
		https://www.911metallurgist.com/		BM-100	6.5
				BM-200	7.0
Limestone	1855	Yungli Chemical Industry, Shanghai, China	2.66	IC	13.8
Limestone, shale sandstone	2778	Cebu Portland Cement Co., Manila, P. I.	2.50	OCI	5.28
				OCII	6.35
Limestone and spodumene	2746D	Foote Mineral Co., Paoli, Pa.	2.7	OCIw	20.6
				OCIIw	10.4
Limestone and spodumene	2746	Foote Mineral Co., Paoli, Pa.	2.7	OCIw	23.3
				OCIIw	8.3
Limestone with shale	2791	Holderbank-Wildeg, Ltd., Quebec	2.61	OCId	10.5
				OCIIId	9.8
Limestone, shale	2226B	Lone Star Cement Co., Nazareth, Pa.	2.75	BM-200	12.7
				IC	3.3
Lime rejects	1090	Louisville Cement Co., Milltown, Ind.	1.19	RM-20	5.0
Lime grits	2049	Pittsburgh Plate Glass Co., Barberton, Ohio	2.47	IC	3.6
Manganese ore	1028	L. G. Aguilar & Co., Habana, Cuba	3.11	BM-200	8.02
Manganese ore	968B	Creevy, E. W., San Jose, Costa Rica	3.37	RM-28	11.4
Manganese ore	2614B	Electro Manganese Corp., Knoxville, Tenn.	3.95	BM-48	14.6
				BM-100	14.5
				BM-200	14.4
Manganese electrolytic dioxide			3.57	BM-200	13.9
Manganese ore from Belgian Congo from Atacama, Cuba	1882	Electro-Manganese Corp., Knoxville, Tenn.	4.00	IC	6.5
			4.30	IC	8.9
Manganese ore, Black African	2782	Electro Met. Co., Div. of Union Carbide & Carbon, Niagara Falls, N. Y.	4.16	BM-100	17.6
Manganese ore	734	General Manganese Co., Chamberlain, S. Dak.	2.70	BM-100	12.7
Manganese ore	867	Walfred, C. L., Univ. of Minn., Minneapolis, Minn.	2.73	BM-65	11.8
				BM-100	12.0
Magnesite, basic	2643	Basic Refractories, Maple Grove, Ohio	2.91	RM-14	15.3
Magnesite ore	1898	Chales y Cia. Magnesium do Brazil, Rio de Janeiro, Brazil	3.0	IC	3.7
Magnesite	1768	Harbison Walker, Ind.	3.10	BM-200	19.5
Magnesite, Oro	1698	Magnesium do Brazil, Ltd., Rio de Janeiro, Brazil	3.50	BM-200	8.8
Magnesite, Neg			2.68	BM-200	9.3

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Magnesite	1911	Northwest Magnesite Co., Chewelah, Wash.	3.00	IC	9.2
Magnesite	1031	Northwest Magnesite Co., Chewelah, Wash.	3.09	BM-65 BM-100	8.6 9.5
Magnesite, dead burned	786	West Vac. Chlorine Prods. Co., Newark, N. J.	3.22	RM-20	15.1
Mica Schist	782	Mineral Mining Corp., Kershaw, S. Caro.	2.38	BM-35 RM-35	6.0 11.0
Mineral wool	399	Mineralite Corp., Bethlehem, Pa.	2.00	BM-200	19.0
Molybdenum ore	2596	Climax Molybdenum Co., Climax, Colo.	2.71	IC	14.1
			2.67	IC	12.2
			2.66	IC	14.5
Molybdenum ore	1560	Climax Molybdenum Co., Climax, Colo.	2.61	BM-100	9.6
			2.62	IC	13.9
Molybdenum ore	1140	Molybdenum Corp. of America, Denver, Colo.	2.93	RM-65	12.4
Nepheline syenite	2365	American Nepheline, Ltd., Lakefield, Ontario	2.67	RM-20	8.6
Nickel ore	2103	Falconbridge Nickel Mines, Sudbury, Ontario	2.83	RM-14	15.0
Nickel ore	1909	Falconbridge Nickel Mines, Sudbury, Ontario	3.89	IC	16.5
Nickel ore, heavy sulfides	371	Falconbridge Nickel Mines, Sudbury, Ontario	3.65	BM-100	9.6
Nickel ore	1075	Nicarco Nickel Co., Cuba	2.16	BM-150	4.0
Nickel ore, sulfides	716	B. C. Nickel Mines, Choate, British Columbia	4.12	BM-150	11.3
Nickel copper ore	2128	International Nickel Co., Sudbury, Ontario	3.41	BM-200 RM-14	14.2 18.5
Nickel ore			2.92	IC	19.0
Nickel matte	1009	International Nickel Co., Huntington, W. Va.	6.35	RM-14	8.6
Oil shale,	2429	U. S. Bureau of Mines, Rifle, Colo.			
lean, with grain			2.08	IC	8.7
lean, against grain			2.08	IC	14.2
med., against grain			2.04	IC	15.0
med., with grain			2.04	IC	10.4
rich, against grain			1.62	IC	23.2
rich, with grain			1.62	IC	15.2
rich, against grain			1.61	IC	28.1
rich, with grain			1.61	IC	13.3
Oil shale, rich	1513C	U. S. Bureau of Mines, Rifle, Colo.	1.78	RM-35	27.0
Pebbles, water worn	1406	Arizona Sand & Rock, Phoenix, Ariz.	2.65	IC	10.9
Perlite	2838	Schundler, F. E. Co., Joliet, Ill.	2.14	BM-100	9.7
Phosphate fertilizer	252	Al-Ke-Me Fertilizer Co.	2.80	BM-48 BM-100	13.6 15.3
Phosphate rock	1221C	American Cyanamid Co., Brewster, Fla.	2.76	BM-200	13.2
Phosphate rock	333	Charleston Mining Co., Mt. Pleasant, Tenn.	1.85	BM-28	6.5
Phosphate rock	2738	Commonwealth Fertilizers & Chem., Ltd., Yarraville, Victoria, Australia	2.93	RM-35	11.0
Phosphate rock	814B	Federal Chemical Co., Mt. Pleasant, Tenn.	3.00	RM-8	7.9
Phosphate rock	814	Federal Chemical Co., Mt. Pleasant, Tenn.	3.00	RM-8 RM-28	7.0 8.6

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Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Phosphate rock	533	Federal Chemical Co., Mt. Pleasant, Tenn.	2.30	RM-35	11.3
Phosphate rock	394	International Agriculture Corp., Mulberry, Fla.	2.50	BM-100	10.2
Phosphate, pebble	2126	International Mining & Chemical Co., Mulberry, Fla.	2.74	RM-35	10.0
Phosphate rock	2472B	U. S. Phosphoric Co., E. Tampa, Fla.	2.83	BM-28	9.5
		https://www.911metallurgist.com/		BM-35	10.4
			2.83	RM-14	7.8
				RM-28	9.5
				RM-35	10.2
Phosphate apatite ore	732	Moinho Santista (Bunge Corp.), Brazil	3.38	BM-48	6.9
Pitchblende ore	1063	Eldorado Gold Mines, Ltd., Port Radium, N. W. Territory	2.77	RM-14	15.8
				RM-14	18.8
Pitch, hardwood	813	Crosset Chemical Co., Crosset, Ark.	2.12	RM-35	3.7
Porphyry	2057	Keir & Cawder, Glasgow, Scotland	2.69	IC	38.7
Potash salt	1716	Mines Domainales De Potasse D'Alsace, Mulhouse, Alsace, France	2.15	RM-35	8.0
				IC	3.4
Potash salt, sylvite and halite	726A	Mines Domainales De Potasse D'Alsace, Mulhouse, Alsace, France	2.20	RM-65	10.3
Potash ore	2716	Potash Co. of America, Carlsbad, N. Mex.	2.32	RM-28	7.0
Potash ore, langbeinite	1006A	Union Potash & Chemical Co., Carlsbad, N. Mex.	2.91	BM-150	11.2
Potash ore, silvite	842B	Union Potash & Chemical Co., Carlsbad, N. Mex.	2.17	RM-35	8.4
				RM-48	10.1
Potash ore, langbeinite	842A	Union Potash & Chemical Co., Carlsbad, N. Mex.	2.65	RM-14	5.7
Pottery	1472	John Douglas Co., Cincinnati, Ohio	2.52	BM-150	14.3
Pumice	749	Barnsdall Tripoli Co., Kansas City, Mo.	1.07	RM-35	13.3
Pyrite ore	2635	Commonwealth Fertilizers & Chemical, Ltd., Yarraville, Victoria, Australia	3.80	BM-65	13.3
				BM-200	12.5
Pyrite in coal	1613	Du Pont de Nemours & Co., Terre Haute, Ind.	3.60	IC	5.4
Pyrite conc.	2384	St. Joseph Lead Co., Balmat, N. Y.	4.75	BM-100	10.2
Pyrite conc.	847	St. Joseph Lead Co., St. Lawrence County, N. Y.	5.00	BM-65	1.8
Pyrite conc. from coal	2648	West Kentucky Coal Co., Madisonville, Ky.	3.13	RM-14	10.2
Pyrrhotite	2150	Cons. Mining & Smelting Co., Ltd., Kimberley, British Columbia	4.41	IC	8.0
Pyrrhotite ore	2581B	General Chemical Co. Div. of Allied Chemical, Boulder, Colo.	3.97	BM-48	8.0
Pyrrhotite ore	2581	General Chemical Co. Div. of Allied Chemical, Boulder, Colo.	3.75	BM-200	12.7
Quartzite	2290	Canadian Bureau of Mines, Toronto, Ontario	2.65	BM-48	12.4
Quartzite	1178	Emsco Refractories, Lehi, Utah	2.60	BM-48	7.6
				BM-65	9.8
Quartzite	2432	Harbison-Walker Co., Freedom, Wis.	2.65	IC	7.8

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Quartzite	2389	How Sound Exploration, Snow Lake, Manitoba	2.69	IC	12.2
Quartzite	1341	Portage Manly Sand Co., Portage, Wis.	2.60	IC	5.2
Quartzite	744A	Smith, E. A., & M. B. Koelliker, Cleveland, Ohio	2.70	RM-20	12.0
Quartzite, Fontana	1055	T. V. A., Fontana Dam, Tenn.	2.80	BM-100	9.3
Quartz	398	Canadian Silica Products, Ltd., Montreal	2.65	BM-28	13.8
Quartz	2032	Carborundum Co., Niagara Falls, N. Y.	2.63	IC	12.5
Quartz	1412	Everist, Sioux Falls, S. Dak.	2.60	IC	22.1
Quartz	725	Hamilton Beauchamp & Woodworth, San Francisco, Calif.	2.65	BM-200	12.0
Quartz	854	Seeley Products Co., Chicago, Ill.	2.65	BM-150	13.6
Quartz, pure crystallized		Spicky Polish Corp., San Francisco, Calif.	2.65	BM-28	11.4
				BM-48	12.2
		https://www.911metallurgist.com/		BM-100	14.0
				BM-200	15.3
Quartz stone, white	1736	Fabrica Nacional De Vidrio, Caracas, Venezuela	2.65	IC	7.6
Quartz-diorite	2186	U. S. Engrs., Zebe Creek Project, Fresno, Calif.	2.70	IC	20.6
Quartz for glass	1720	Verries Nationales d'Egypt, Cairo, Egypt	2.65	RM-35	14.4
				IC	6.8
Refuse, high slate	2648	West Kentucky Coal Co., Madisonville, Ky.	2.40	IC	11.5
Rhyolite, olivene	1502	Lynn Sand & Stone Co., Lynn, Mass.	2.65	IC	15.8
Rock salt	939	Du Pont de Nemours & Co., Niagara Falls, N. Y.	2.4	BM-100	7.1
Rock waste	2150	Cons. Mining & Smelting Co., Ltd., Kimberley, British Columbia	2.97	IC	14.4
Roofing granules	2213	Bird & Son, Inc., Boston, Mass.	2.63	RM-8	29.7
Rubber, hard broken storage battery cases	790	Firestone Rubber Co., Memphis, Tenn.	1.34	RM-48	74.7
Rutile ore, feldspar	1885	American Rutile Corp., Roseland, Va.	2.69	BM-28	13.3
				RM-28	12.2
Rutile ore, serpentine			2.69	BM-28	15.2
Rutile	971	American Rutile Corp., Arlington, Va.	3.02	RM-20	10.3
Sandstone	1398	Icaxa & Co., Panama City, Panama	2.60	IC	14.8
Sand, jasper	1688	Penn. Sand Glass Corp., Lewiston, Pa.	2.65	BM-200	180.
Sand, foundry cores	2662	Allis-Chalmers Mfg. Co., Milwaukee, Wis.	2.65	IC	1.4
Sand, garco	1181	Garco Products Co., Ford City, Pa.	2.09	RM-28	5.2
Scrap pot lining	2149	Aluminum Company of Canada, Arvida, Quebec	2.87	IC	11.5
Schist	2389	Howe Sound Exploration, Snow Lake, Manitoba	2.84	IC	12.7
Serpentine rock	1051A	G. E. Baker Co., Marietta, Pa.	2.83	BM-65	12.1
Shale	1396	Correale Construction Co., Minersville, Pa.	2.66	IC	14.7
Shale, iron stained	677	Korite Corp., Milwaukee, Wis.	2.65	BM-200	21.2
Shale	1217	Minnesota Mining & Mfg. Co., Wausau, Wis.	2.55	BM-100	15.5
				BM-200	15.6
				RM-10	23.8

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Shale	2726	Morrissey, J. D., Philadelphia, Pa.	2.68	IC	19.0
Shale	279	St. Lawrence Brick Co., La Prairie, Quebec	2.64	BM-48	10.0
Shale, oil	1794	Satmar Co., Ltd., Ermclo, South Africa	1.42	IC	13.2
Shale, brown	1832	Wigton-Abbot Corp., Plainfield, N. J.	2.58	IC	8.8
Silica clay	525	Fiske Brick & Granule Co., Boston, Mass.	2.66	RM-10	9.6
Silica rock	1891	American Silica Co., Ottawa, Ill.	2.57	IC	7.95
Silica sand	1305	Walter C. Best Co., Chardon, Ohio	2.68	RM-20	12.3
Silica sand	2242B	Birmingham Slag Co., Montgomery, Ala.	2.69	BM-48	13.8
Silica sand	1727	Ottawa Silica Co., Ottawa, Ill.	2.65	BM-35	19.6
Silica sand	1235	Quinn Robbins Co., Inc., Boise, Idaho		RM-10	10.8
Silica pebbles	2658B	Niles Fire Brick Co., Niles, Ohio	2.67	RM-14	11.5
Silicon carbide	1920	Carborundum Co., Niagara Falls, N. Y.	3.0	IC	15.6
Silicon carbide, soft	1047B	Electro Refractories & Alloys Co., Buffalo, N. Y.	2.08	BM-200	20.5
Silicon carbide, hard	1047A	Electro Refractories & Alloys Co., Buffalo, N. Y.	3.17	BM-200	41.5
Silicon manganese alloy	1358	Union Steel Castings Co., Pittsburgh, Pa.	6.63	IC	11.6
Silver ore	2749	Penn Cobalt Mines, (CAC), Lachine, Quebec		BM-65	22.4
				BM-200	18.3
Silver ore	881	Real Del Monte Co., Pachuca, Mexico	2.72	BM-48	15.7
		https://www.911metallurgist.com/		BM-65	16.5
				BM-100	16.5
				BM-200	18.0
Sinter, roasted & quenched	2762	Foote Mineral Co., Paoli, Pa.	2.6	OCIIw	29.5
Slag	2589	Bunker Hill & Sullivan, Kellogg, Idaho	3.65	RM-14	12.8
Slag, float	919	Celotex Corp., Marietta, Ohio	0.60	RM-14	2.3
Slag	2729	Eldorado Mining & Refining Co., Port Hope, Ontario	3.22	BM-65	16.5
				BM-150	18.7
Slag, blast fumace	1499	Jones & Laughlin Steel Corp., Aliquippa Works, Pa.	2.00	RM-14	5.4
Slag, blast fumace	2814	Universal Atlas Cement Co., Pittsburgh, Pa.	2.20	BM-100	12.3
			2.20	BM-200	18.5
Slag, ferro-chrome	933	Ohio Ferro-Alloys Corp., Akron, Ohio	3.32	RM-20	12.8
Slag, ferrous	284	Victor Chemical Works, Nashville, Tenn.	6.75	BM-100	6.1
Slag	2452	Waylite Co., E. Chicago, Ill.	1.63	BM-100	9.9
Slag, foam	1119	Bethlehem Steel Co., Sparrows Point, Mo.	1.24	RM-35	9.5
Slag, granulated	1045	Monsanto Chemical Co., Anniston, Ala.	3.16	BM-65	7.8
				BM-100	10.5
Slag, black roofing granules	1026	Reed, H. B., Inc., Hammond, Ind.	2.72	RM-8	0.5
Slate	1679	Maine Development Commission, Augusta, Maine	2.37	BM-100	13.4
Slate, blue	2359	Superior Stone Co., Monroe, N. Car.	2.66	IC	15.2
Sodium silicate	806	Cowles Detergent Co., Cleveland, Ohio	2.03	RM-20	13.5

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wj"
Sodium silicate, anhydrous	739	Diamond Alkali Co., Cincinnati, Ohio	2.70	RM-28	15.3
Sodium silicate	954A	E. I. duPont de Nemours & Co., East Chicago, Ind.	1.57	RM-10	11.7
Speiss	2474	Delora Smelting & Refining Co., Marmora, Ontario	7.15	BM-100	14.6
Spodumene	2780	Foote Mineral Co., Kings Mountain, N. Car.	2.70	RM-20 RM-48	8.1 12.1
Spodumene ore	1073	Solvay Process Co., Syracuse, N. Y.	2.88	BM-48	10.9
Sulfides, mixed	2150	Cons. Mining & Smelting Co., Kimberley, British Columbia	5.06	IC	5.6
Sulfide conc.	2581C	General Chemical Div. of Allied Chemical Co., Boulder, Colo.	4.05	BM-200	10.7
Syenite	663	Canadian Nephelene Syenite, Ltd., Lakefield, Ontario	2.73	BM-28 BM-28	9.6 12.0
Syenite	2572	Carriers Unies de Porphyre, Tessines Plant, Belgium	2.73	IC	17.8
Talc	1384	Loomis Talc Co., Syracuse, N. Y.	2.83	IC	7.8
Tile	766	Arketex Ceramic Corp., Brazil, Ind.	2.66	RM-14	15.4
Tile scrap	1314	Trenton Pottery Co., Trenton, N. J.	2.07	RM-10	16.5
Tin ore	1438	Colquiri Co., Colquiri, Bolivia	3.85	BM-200	11.5
Tin ore, cassiterite from Mexico	1018	Pittsburgh Plate Glass Co., Pittsburgh, Pa.	2.92	BM-100 BM-150	10.3 10.8
Tin ore, cassiterite from Bolivia		https://www.911metallurgist.com/	3.04	BM-100 BM-150	9.7 10.3
Tin ore, pyritic	1254	Gaudin, San Jose, Bolivia	3.84	BM-200	11.9
Tin ore, sulfides	905	Tainton Products, Ltd., Baltimore, Md.	4.03	BM-100	12.2
Tin ore conc.	558	Vulcan Detinning Co., Sewaren, N. J.	6.00	BM-28	10.4
Titanium ore, magnetite tailings	1941	National Lead Co., MacIntyre Div., Tahawus, N. Y.	3.82	BM-48 BM-65	7.4 9.8
Titanium ore with magnetite	1800B	National Lead Co., MacIntyre Div., Tahawus, N. Y.	4.40	BM-35 BM-48 BM-65 BM-100 BM-150 BM-200	9.1 10.5 10.1 12.0 14.0 17.0
Titanium ore with magnetite	1757	National Lead Co., Tahawus, N. Y.	4.46	RM-14 RM-65 IC	12.0 13.7 14.1
Titanium ore	1017	National Lead Co., St. Louis, Mo.	4.40	RM-20 RM-28	10.5 10.2
Titanium, rutile conc.	559	Titanium Corp., Malvern, Ark.	3.93	BM-200	20.3
Titanium metal sponge	2774	Titanium Metals Corp. of America, Henderson, Nev.	4.50	VBM	19.5

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Titanium ore, ilmenite	281	Vanadium Corp. of America, Bridgeville, Pa.	4.07	BM-200	13.0
Trap rock	1621	General Crushed Stone Co., Quakertown, Pa.	3.04	IC	13.1
Trap rock	1440	Great Notch Granules Co., Great Notch, N. J.	2.68	RM-14	17.6
Trap rock	1363	Great Notch Granules Co., Great Notch, N. J.	2.68	IC	20.6
Trap rock, quarry stone	2006	Harris Engr. Co., Bath, Maine	2.80	IC	24.5
Trap rock	1469	Helena Sand & Gravel Co., Helena, Mont.	2.81	IC	13.5
Trap rock, hard	1933A	Iafolla, John, Const. Co., Portsmouth, N. H.	2.80	IC	56.0
Trap rock	2685B	New York Trap Rock Co., Clinton Point, N. Y.	2.91	IC	11.0
Trap rock B	2685	New York Trap Rock Co., Clinton Point, N. Y.	2.80	IC	9.2
Trap rock A			2.80	IC	6.0
Trap rock	1868	Peel Construction Co., Niagara Falls, N. Y.	2.64	IC	18.7
Trap rock	2011	Quarry Co., Birdsboro, Pa.	3.00	IC	31.0
Trap rock	2252	Simeone, A. B., Inc., Medford, Mass.	2.87	IC	23.0
Trap rock	1708	Southwest Stone Co., Knippa, Texas	3.10	IC	20.0
Trap rock	1480	Southwest Stone Co., Knippa, Texas	3.12	IC	9.1
Trap rock (Camak)	1719	Weston & Brooker Co., Columbia, S. Car.	2.79	IC	14.2
Trap rock	1565	Dyer, John T., Harrisburgh, Pa.	3.00	IC	13.9
Trap rock	2784	O'Connell, Daniel & Sons, Holyoke, Mass.	2.94	IC	26.7
Willemite ore	503	New Jersey Zinc Co., Palmerton, Pa.	4.26	BM-200	10.2
Wollastonite with garnet	2089	White Pigment Corp., Florence Vt.	2.90	IC	10.1
Zinc fume	2605	American Smelting & Refining Co., Corpus Christi, Texas	5.25	BM-100	7.3
Zinc, sphalerite conc.	1102	American Zinc Co. of Tenn., Mascot, Tenn.	3.88	RM-14	6.6
Zinc-lead ore	691	Callahan Zinc-Lead Co., Wallace, Idaho	3.72	BM-150	10.2
Zinc ore	184	Farrey Mining & Milling Co., Moline, Ill.	2.90	BM-48	5.8
Zinc slab, cast	1783	Federated Metals Division, A. S. & R. Co.	71.4	IC	35.7
Zinc slag	1085	Jordan Co., Chicago, Ill.	3.66	RM-28	18.0
Zinc residue	161	National Zinc Co., Bartlesville, Okla.	1.62	BM-48	42.5
Zinc ore, lode	2422	New Broken Hill Cons., Ltd., Australia	3.32	BM-100	12.5
		https://www.911metallurgist.com/		BM-150	14.1
				RM-14	6.5
Zinc ore	1951	New Jersey Zinc Co., Franklin, N. J.	2.89	BM-48	15.7
				RM-14	22.0
Zinc ore	930	New Jersey Zinc Co., Ogdensburg, N. J.	3.98	RM-35	11.4
Zinc conc.	849	New Jersey Zinc Co., Palmerton, Pa.	4.18	BM-200	11.2
Zinc ore	1847	Quemont Mining Co., Noranda, Quebec	4.26	BM-150	9.8
				BM-200	13.7
Zircon sand	2790	Foote Mineral Co., Berwyn, Pa.	4.70	VBM	129.0

Supplement to TABLE II
Work Indexes by Materials
Tests No. 2866 to 3146, October, 1954

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"	
Alunite ore	2879	Calunite Corp., Altadena, Calif.	2.67	BM-65	5.3	
				BM-100	5.5	
Barium sulphate	3129	L. A. Wood Mining Co., Sweetwater, Tenn.	4.25	BM-200	6.38	
Cement clinker	3049	Alpha Portland Cement, La Salle, Ill.	3.03	BM-200	16.7	
Cement clinker	2939	Coplay Cement Mfg. Co., Coplay, Pa.	2.97	BM-200	21.1	
Cement clinker	2939B	Coplay Cement Mfg. Co., Coplay, Pa.	3.02	BM-200	16.8	
Cement clinker	2881	Federal Portland Cement Co.,Ltd., Buffalo, N. Y.	2.94	BM-200	13.4	
Cement clinker	3109	Louisville Cement Corp., Sellersburry, Ind.	3.03	BM-200	14.73	
Cement clinker	3118	Medusa Portland Cement, York, Pa.	2.93	BM-200	17.4	
Cement clinker	3072	Southwestern Portland Cement Co., Victorville, Calif.	3.19	BM-200	11.5	
				RM-14	13.1	
Cement clinker	3075	Societe Gen. Des Minerais, CBR Mons Plant, Brussels, Belgium	2.95	BM-200	16.39	
Cement clinker	3106A	South Dakota Cement Co., Rapid City, S. Dak.	2.94	BM-200	12.8	
				BM-20	16.4	
Cement clinker	3106B	South Dakota Cement Co., Rapid City, S. Dak.	2.91	BM-200	11.2	
				BM-20	14.8	
Cement clinker	3085	Wyandotte Chemical Co., Wyandotte, Mich.	3.15	BM-200	12.7	
Cement raw material	2972	Alpha Portland Cement Co., Easton, Pa.	2.59	BM-200	11.8	
Cement raw material	2907	Electric Power Devel. Co., Tokyo, Japan	2.70	BM-200	10.5	
Cement raw material	2917	Emissa, Paris, France	2.64	RM-8	13.8	
Cement raw material	3030	Indonesia Cement Plant, Java, Surabaya	2.53	BM-200	8.6	
Cement raw material	2925	Kobe Steel Works for Nihon Cement Co., Kobe, Japan	2.66	BM-200	9.8	
Cement raw material	3097	North American Portland Cement Corp., Howes Cave, N. Y.	2.61	BM-200	9.2	
Cement raw material	3097B		2.74	BM-200	9.4	
Cement raw material	2895	Lone Star Cement Co., Roanoke, Va.	2.68	BM-200	10.6	
Cement raw mix	3005	Kobe Steel Works, Denki Kagaku, Kogyo Co., Kobe, Japan	2.65	BM-200	11.1	
Cement raw mix	2947	Southern Materials Corp., Salisbury, Md.	2.55	BM-200	9.60	
Coal #2	3058	Erie Mining Company, Duluth, Minn.	1.44	RM-10	10.5	
Buckwheat Anthracite						
Coal, Gauley-Eagle	3065C	Standard Oil, Esso Div., Baton Rouge, La.	1.67	BM-200	14.86	
Coal (fluid)	3065	Standard Oil & Devel. Co., Linden, N. J.	1.63	BM-200	36.3	
Copper ore	3107	American Smelting & Refining Co., Silver Bell Unit, Silver Bell, Ariz.	2.57	BM-200	12.2	
				BM-65	11.5	
				BM-14	8.21	
Copper ore	3068	Copper Cities Mining Co., Miami, Ariz.	2.63	BM-28	14.1	
				2.63	BM-48	12.6
				2.63	BM-100	12.8

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Copper ore, diorite porphyry	2808	Northern Peru Mining & Smelting Co., (ASARCO), Toquepala, Peru	2.77	RM-14	11.3
				BM-65	9.3
				BM-200	10.3
Copper-zinc ore	3104	Sherritt-Gordon Mines, Ltd., Canada	3.57	IC	20.8
Copper ore, May composite	2830B 2830C 2830C	Northern Peru Mining & Smelting Co., (ASARCO), Toquepala, Peru	2.77 2.75 2.76	IC	9.1
				IC	8.9
				RM-14	10.3
				BM-65	10.2
Copper ore, August composite	2847	https://www.911metallurgist.com/	2.78	BM-200	12.4
				IC	11.0
				RM-14	10.8
				BM-65	10.8
Copper ore, dacite	2848		2.80	BM-200	12.5
				RM-14	13.5
				BM-65	16.0
Copper ore, quellaveco	2848B		2.80	BM-200	14.0
				RM-14	14.2
				BM-65	11.2
Copper ore, breccia, pebble pipe	2854		2.80	BM-200	10.2
				RM-14	11.3
				BM-65	12.8
Copper ore, breccia, June-July	2867B 2867		2.67	BM-200	12.0
				IC	9.1
				RM-14	12.8
				BM-65	18.5
Copper ore, August-September composite	2872		2.81	BM-200	15.5
				RM-14	12.5
				BM-65	11.3
Copper ore, breccia ore	2899		2.85	BM-200	12.2
				RM-14	10.1
				BM-65	11.0
Copper ore, sulfide	2885	Emissa, Dakar, Africa	3.60	BM-200	11.2
				HC	7.2
				HC	7.0
				RM-10	10.0
				BM-100	9.58
				IC	3.27
Copper ore, oxide	2885	Emissa, Dakar, Africa	2.85	BM-100	4.28
				HC	9.0
				HC	8.3
				RM-100	14.0
				BM-100	13.9
				IC	6.12
Copper ore	2880	Yugoslav Copper Concentrator, Majdanpek, Yugoslavia	2.73	BM-100	3.60
Dunite	3146	American Colloid Co., Chicago, Ill.	2.8	IC	14.8
Diamond Core	3086	CAC Brunswick Mining & Smelting St. Joseph Lead, Bathurst, Canada	4.41	VBM	17.5
				BM-100	8.82
				BM-200	7.76

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Dolomite	3148	C. S. Mundy Quarry, Harrisburg, Va.	2.75	IC	6.55
Dolomite	3080B	Drummond Dolomite, Inc., Detour, Mich.	2.84	BM-28	11.51
Ferrocchrome	2989	Armour Research Found., Chicago 16, Ill.	5.35	BM-150	14.6
Ferro-silicon, 15%	2985	Monsanto Chemical Co., Anniston, Alabama	6.34	BM-200	51.0
Garnet	2945	Cabot Carbon Co., Minerals Division, Willsboro, N. Y.	3.70	BM-48	12.0
Gold ore	3069	Campbell Red Lakes, Ltd., Balmertown, Ontario	2.94	BM-100	16.7
Gold ore	2986	Gunnar Gold Mines, Ltd., (CA-C), Toronto, Ontario	2.62	BM-200	15.1
Granite gneiss	2926	Byars, Carl, Easley, S. Car.	2.70	IC	10.5
Gravel	3041	Cushing Stone Co., Schenectady, N. Y.	2.83	RM-4	19.2
Gravel, Algonquin # Reject	3128	Material Service Co., Chicago, Ill.	2.73	RM-14	12.39
			2.73	RM-20	10.41
			2.68	BM-48	12.64
Iron ore, red hematite	2858	Cleveland Cliffs Iron Co., Ishpeming, Mich.	3.40	RM-10	19.9
				BM-200	14.3
Iron ore, roasted	2858	Cleveland Cliffs Iron Co., Ishpeming, Mich.	3.42	RM-10	14.2
				BM-200	11.8
Iron ore, taconite	3023	Erie Mining Company, Aurora, Minn.	3.92	BM-200	13.2
Iron ore	2915	International Construction Co., Burnpur, West Bengal, India	3.46	IC	4.2
Iron ore	2896	Luossavaara-Kiirunavaara, Aktiebolag, Malmberget, Sweden	4.65	RM-20	9.8
		https://www.911metallurgist.com/		BM-100	9.3
				BM-200	11.3
Iron ore, magnetite Profile 67 & 77 Profile 48	3101	Luossavaara-Kiirunavaara, Sweden	4.52	IC	6.80
			2.88	IC	16.6
Iron ore, hematite	3016	Montreal Mining Co., Hurley, Wis.	4.70	IC	9.85
Iron ore, taconite	3034	Oliver Iron Mining Co., Duluth, Minn.	3.43	IC	24.4
Iron ore, Taconite	3135	Pickands Mather & Co., Hibbing, Minn.	3.15	RM-14	19.9
				BM-100	14.4
Iron ore	2971	Titania, A/S, Delane, Norway	4.34	BM-200	10.6
Kaolin, hi silica	2930	Marmoles Y Cementos Del Nare, S.A., Medellin, Colombia	2.32	BM-200	1.91
Kaolin, low silica	2930	Marmoles Y Cementos Del Nare, S.A., Medellin, Colombia	2.38	BM-200	13.1
Limestone, lepidolite	3140A	American Potash Co., Trona, Calif.	2.72	IC	18.9
			2.78		
Limestone clinker Lepidolite	3140B	American Potash Co., Trona, Calif.	2.72	BM-150	8.51
			2.55	BM-48	6.0
			2.78	BM-150	18.0
Limestone	2935	Cemento Santa Rita, S.A., Sao Paulo, Brazil	2.76	BM-65	9.1
				BM-200	9.7
Limestone	2936	Cemento Santa Rita, S.A., Sao Paulo, Brazil	2.76	BM-65	8.9
				BM-200	9.1
Limestone	2922	Cementos del Caribe, Barranquilla, Colombia	2.62	BM-200	6.8
Lime					

Material (Ore of)	Test No.	Company and Deposit Location	Specific Gravity "S"	Test Machine - Mesh	Work Index "Wi"
Limestone	2873	Corson, Inc., G. & W.H., Plymouth Meeting, Pa.	2.83	IC	8.5
Limestone, silicious	3095	J. E. Baker Company, Lancaster, Pa.	2.81	IC	9.35
Limestone, Ormrod quarry	2918	Lehigh Portland Cement, Allentown, Pa.	2.69	IC	13.5
Sandts Eddy #3			2.70	IC	27.6
Sandts Eddy #4			2.68	IC	24.9
Limestone, silica & clay mix	2869	Marmoles Y Cementos Del Nare, S.A., Medellin, Colombia	2.68	BM-200	8.0
Limestone	2930	Marmoles Y Cementos Del Nare, S.A., Medellin, Colombia	2.62	BM-200	8.10
Limestone	3074	Material Service Corp., Thornton, Ill.	2.73	BM-200	9.9
Limestone	2953	Monumental Millwork Inc., Baltimore, Md.	2.81	RM-20	6.5
Limestone	2961	Williams Brothers Co.	2.70	IC	5.1
Limestone	3063	Warner Company, Bellefonte, Pa.	2.70	RM-14	12.2
Limestone shale	3022	Rizo Patron Cement, Lima, Peru	2.70	BM-200	8.31
Magnesite clinker	2882	Basic Refractories, Inc., Maple Grove, Ohio	3.39	BM-100 BM-200	21.3 19.1
Magnesium fluoride	2888	Mallinckrodt Chem. Co., St. Louis, Mo.	3.16	BM-48	6.6
Magnesium sludge cake	2903	Dow Chemical Co., Freeport, Texas	2.20	BM-48 IC	15.2 14.7
Marl	2884	Volunteer Portland Cement Co., Knoxville, Tenn.	2.56	BM-200	7.3
Nickel matte	2894	Falconbridge Nickel Mines, Ltd. (CA-C), Falconbridge, Ontario, Canada	5.76	IC	6.25
Phosphate rock	2892	Electric Reduction Co., (CA-C), Montreal, Quebec, Canada	2.80	BM-48	9.90
Phosphate rock	2870	Virginia Caroline Chemical Co., Nichols, Fla.	2.00	RM-14	8.1
Quartzite	2936	Cemento Santa Rita, S.A., Sao Paulo, Brazil	2.65	BM-200	15.8
Quartzite	3143	Valley Sand & Gravel, Muskego, Wis.	2.69	IC	15.4
Slag, blast furnace	2927	American Materials Corp., Greenville, Ohio	2.00	RM-14	9.5
Slag, titanium bearing	2914	Crane Company	3.71	BM-48	4.5
Slag	2876	Electric Power Devel. Co. for Fuje Iron & Steel Co., Ltd., Tokyo, Japan	2.42	BM-200	11.9
Slag, blast furnace	2875	Illinois Slag & Ballast Company, Chicago, Ill.	2.83	RM-14	13.1
Slag	2906	Southwestern Portland Cement Co., El Paso, Texas	3.54	RM-20	18.5
Slag, electric furnace	2902	Victor Chemical Co., Chicago, Ill.	2.79	RM-20	11.5
Sericite schist	3119	Summit Mining Corp., Carlisle, Pa. https://www.911metallurgist.com/	2.81	BM-28 BM-100	1.051 6.39
Silica	3079	Harbison-Walker Refractories, Leslie, Md.	2.81	BM-65	11.2
Stone concrete	3132	G. & W. H. Corson, Inc., Plymouth Meeting, Pa.	2.89	RM-14	9.41
Sand concrete			2.71	RM-14	8.82
Stone (black)	3007	Mass. Broken Stone Co., Balthan, Mass.	3.06	IC	26.4
Stone (grey)			2.80		12.8
Stone (min. 1")	3145	Marble Cliff Quarries, Columbus, Ohio	2.61	RM-4	22.6
Stone (min. 2")			2.52	RM-4	16.9
Stone	3141	Lynn Sand & Stone Co., Lynn, Mass.	2.89	BM-100	14.2

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Titanium slag	3099	Vitro Corp. of America, Chattanooga, Tenn.	3.56	BM-48	5.84
Uranium ore	3055	Rix-Athabasca Uranium Mines, Ltd., Montreal, Quebec, Canada	2.60	BM-100	20.4
		https://www.911metallurgist.com/		IC	18.5
				HC	19.5
Volcanic ash, crushed	3033	Halliburton Oil Well Cement Co., El Paso, Texas	2.20	BM-150	16.2
Zirconium, aluminum	3018	Corhart Refractories Co., Louisville, Ky.	3.92	IC	32.5

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