

Minerals By Density

MINERAL	DENSITY	MINERAL	DENSITY
Diatomite	0.4 – 0.6	Serpentine	2.2
Ice	0.917	Sodalite	2.2 - 2.3
Carnallite	1.6	Natrolite	2.25
Borax	1.7	Tridymite	2.26
Epsomite	1.75	Analcmite	2.27
Potash Alum.	1.75	Laumontite	2.28
Allophane	1.8 - 1.9	Sodanitre	2.29
Melanterite	1.90	Apophyllite	2.3 - 2.4
Opal	1.9 - 2.2	Cristobalite	2.3
Kernite	1.95	Gibbsite	2.3 - 2.4
Ulexite	1.96	Glauconite	2.3
Goslarite	1.98	Graphite	2.3
Gaylussite	1.99	Thomsonite	2.3
Sylvite	1.99	Gypsum	2.32
Chabazite	2.0 - 2.2	Wavellite	2.33
Chrysocolla	2.0 - 2.4	Brucit	2.39
Gmelinite	2.0 - 2.2	Hauynite	2.4 - 2.5
Halloysite	2.0 - 2.2	Lazurite	2.4 - 2.5
Nitre	2.0 - 2.1	Leucite	2.4 - 2.5
Sepiolite	2.0	Petallite	2.4
Sulphur	2.0 - 2.1	Variscite	2.4 – 2.6
Chalcanthite	2.1 - 2.3	Vermiculite	2.4
Kalnite	2.1	Colemanite	2.42
Stilbite	2.1 - 2.2	Cancrinite	2.45
Trona	2.13	Harmotome	2.45
Halite	2.16	Hectorite	2.5
Garnierite	2.2 - 2.8	Microline	2.5 - 2.6
Heulandite	2.2	Montmorillonite	2.5
Lechatelierite	2.2	Nepheline	2.5 - 2.7
Noselite	2.2 - 2.4	Nontronite	2.5
Philipsite	2.2	Saponite	2.5
Scolecite	2.2 - 2.4	Orthoclase	2.57

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Anorthoclase	2.58	Polyhalite	2.78
Alunite	2.6 - 2.8	Anhydrite	2.78
Beidellite	2.6	Anthophyllit	2.8 - 3.2
Chalcedony	2.6 - 2.7	Biotite	2.8 - 3.2
Chlorite	2.6 - 2.9	Datolite	2.8 - 3.0
Cordierite	2.6 - 2.7	Hyalophane	2.8
Dickite	2.6	Lepidolite	2.8 - 3.0
Kaolinite	2.6 - 2.7	Prehnite	2.8 - 2.9
Nacrite	2.6	Pyrophyllite	2.8 - 2.9
Scapolite	2.6 - 2.7	Wollastonite	2.8 - 2.9
Turquoise	2.6 - 2.8	Langbeinite	2.83
Vivianite	2.6 - 2.7	Dolomite	2.85
Kaliophillite	2.61	Paragonite	2.85
Albite	2.62	Phlogopite	2.86
Chert	2.65	Ankerite	2.9 - 3.0
Flint	2.65	Boracite	2.9 - 3.0
Oligoclase	2.65	Cryolite	2.9 - 3.0
Quartz	2.65	Danburite	2.9 - 3.0
Eucryptite	2.67	Jarosite	2.9 - 3.3
Thenardite	2.68	Melilite	2.9 - 3.1
Andesine	2.69	Phenacite	2.9 - 3.0
Beryl	2.7 - 2.8	Pollucite	2.9
Glauberite	2.7 - 2.8	Aragonite	2.95
Marialite	2.7	Erthrite	2.95
Melonite	2.7	Roscoelite	2.97
Muscovite	2.7 - 3.1	Actinolite	3.0 - 3.2
Pectolite	2.7 - 2.8	Amblygonite	3.0 - 3.1
Talc	2.7 - 2.8	Annabergite	3.0
Labradorite	2.71	Boehmite	3.0 - 3.1
Calcite	2.72	Edenite	3.0
Bytownite	2.74	Ferrimolybdite	3.0
Anorthite	2.76	Glaucophane	3.0 - 3.2

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Lazulite	3.0 - 3.1	Helvite	3.2 - 3.4
Magnesite	3.0 - 3.1	Hornblende	3.2
Margarite	3.0 - 3.1	Monticellite	3.2
Pargasite	3.0 - 3.5	Pigeonite	3.2 - 3.4
Tourmaline	3.0 - 3.2	Sillimanite	3.2
Tremolite	3.0 - 3.3	Torbernite	3.22
Zinnwaldite	3.0	Mullite	3.23
Lawsonite	3.09	Diaspore	3.3 - 3.4
Andalusite	3.1 - 3.2	Diaptase	3.3
Apatite	3.1 - 3.2	Epidote	3.3 - 3.5
Autunite	3.1 - 3.2	Idocrase	3.3 - 3.4
Bronzite	3.1 - 3.3	Jadeite	3.3 - 3.5
Chondrodite	3.1 - 3.2	Olivine	3.3 - 4.4
Clinohumite	3.1 - 3.2	Zoisite	3.3
Cummintonite	3.1 - 3.6	Scorzalite	3.35
Euclase	3.1	Celsian	3.37
Humite	3.1 - 3.2	Acmite	3.4 - 3.6
Norbergite	3.1 - 3.2	Hemimorphite	3.4 - 3.5
Scorodite	3.1 - 3.3	Hypersthene	3.4 - 3.5
Spodumene	3.1 - 3.2	Piedmontite	3.4
Fluorite	3.18	Sphene	3.4 - 3.5
Clinoenstatite	3.19	Topaz	3.4 - 3.6
Augite	3.2 - 3.4	Triphylite	3.4 - 3.6
Aurichalcite	3.2 - 3.7	Riebeckite	3.44
Axinite	3.2 - 3.4	Arfvedsonite	3.45
Clinozolsite	3.2 - 3.4	Uvarovite	3.45
Crocidolite	3.2 - 3.3	Realgar	3.48
Diopside	3.2 - 3.3	Orpiment	3.49
Dumortierite	3.2 - 3.4	Allanite	3.5 - 4.2
Enstatite	3.2 - 3.5	Chloritoid	3.5
Fosterite	3.2	Diamond	3.5

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Hastingsite	3.2	Garnet	3.5 - 4.3
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Iddingsite	3.5 - 3.8	Malachite	3.9 - 4.0
Lithiophilite	3.5	Sphalerite	3.9 - 4.1
Ottrelite	3.5	Willemite	3.9 - 4.2
Rhodochrosite	3.5 - 3.6	Alabandite	4.0
Pyrope	3.51	Cervanite	4.0 - 5.0
Grossularite	3.53	Cubanite	4.0 - 4.2
Sklodowskite	3.54	Gadolinite	4.0 - 4.5
Hedenbergite	3.55	Ilvaite	4.0
Chrysoberyl	3.6 - 3.8	Libethenite	4.0
Clinoferrosilite	3.6	Wurtzite	4.0
Ferrosilite	3.6	Corundum	4.02
Hydrozincite	3.6 - 3.8	Galaxite	4.03
Kyanite	3.6 - 3.7	Perovskite	4.03
Limonite	3.6 - 4.0	Lepidocrocite	4.09
Rhodonite	3.6 - 3.7	Carnotite	4.1
Spinelgroup	3.6 - 4.0	Chalcopyrite	4.1 - 4.3
Staurolite	3.6 - 3.8	Samarskite	4.1 - 6.2
Atacamite	3.7 - 3.8	Sternbergite	4.1 - 4.2
Strontianite	3.7	Tephroite	4.1
Tyuyamunite	3.7 - 4.3	Fayalite	4.14
Andradite	3.75	Spessartite	4.18
Azurite	3.77	Fergusonite	4.2 - 5.8
Siderite	3.8 - 3.9	Pyrochlore	4.2 - 4.5
Siderite	3.8 - 3.9	Rutile	4.2 - 4.3
Uranophane	3.8 - 3.9	Turgite	4.2 - 4.6
Rhodolite	3.84	Powellite	4.23
Anatase	3.9	Alamandite	4.25
Antlerite	3.9	Chromite	4.3 - 4.6
Brochantite	3.9	Manganite	4.3
Brookite	3.9 - 4.1	Smithsonite	4.3 - 4.4
Celestite	3.9 - 4.0	Witherite	4.3
Gummite	3.6 - 6.4	Goethite	4.37

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Clinoclase	4.38	Monazite	5.0 - 5.3
Hercynite	4.39	Polianite	5.0
Enargite	4.4 - 4.5	Pyrite	5.02
Stannite	4.4	Jacobsite	5.1
Xenotime	4.4 - 5.1	Franklinite	5.15
Barite	4.5	Magnetite	5.18
Brannerite	4.5 - 5.4	Columbite	5.2 - 6.7
Stibnite	4.5 - 4.6	Miargyrite	5.2 - 5.3
Gahnite	4.55	Hematite	5.26
Stillwellite	4.57	Linarite	5.3
Covellite	4.6 - 4.7	Millerite	5.3 - 5.7
Molybdenite	4.6 - 4.7	Thorite	5.3
Pentlandite	4.6 - 5.0	Zinkenite	5.3
Pyrrhotite	4.6	Cerargyrite	5.5 - 6.0
Tennantite	4.6 - 5.1	Chalcocite	5.5 - 5.8
Tetrahedrite	4.6 - 5.1	Jamesonite	5.5 - 6.0
Bravoite	4.66	Proustite	5.55
Zircon	4.68	Plagionite	5.56
Ilmenite	4.7	Digenite	5.6
Polycrase	4.7 - 5.9	Embolite	5.6
Pyrolusite	4.75	Zincite	5.68
Braunite	4.8	Arsenic	5.7
Linnaeite	4.8	Iodobromite	5.7
Siegenite	4.8	Iodyrite	5.7
Violarite	4.8	Allemontite	5.8 - 6.2
Hausmanite	4.84	Bournonite	5.8 - 5.9
Marcasite	4.89	Semseyite	5.8
Bastnaesite	4.8 - 5.2	Tenorite	5.8 - 6.4
Greenockite	4.9	Pyrrargyrite	5.85
Bornite	5.0 - 5.1	Arsenopyrite	5.9 - 6.2
Euxenite	5.0 - 5.9	Crocoite	5.9 - 6.1
Manganosite	5.0 - 5.4	Danaite	5.9 - 6.2

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Gersdorffite	5.9	Tin	7.3
Larsenite	5.9	Galena	7.4 - 7.6
Scheelite	5.9 - 6.1	Loellingite	7.4 - 7.5
Boulangerite	6.0 - 6.3	Nagyagite	7.4
Bromyrite	6.0 - 6.5	Ferberite	7.5
Cuprite	6.0	Awaruite	7.7 - 8.1
Phosgenite	6.0 - 6.3	Niccolite	7.78
Polybasite	6.0 - 6.2	Nickeliron	7.8 - 8.2
Niskutterudite	6.1 - 6.9	Bismite	8.0
Skutterudite	6.1 - 6.9	Sylvanite	8.0 - 8.2
Pearceite	6.15	Cinnabar	8.10
Anglesite	6.2 - 6.4	Altaite	8.16
Stephanite	6.2 - 6.3	Stolzite	8.3 - 8.4
Stromeyerite	6.2 - 6.3	Hessite	8.4
Tantalite	6.2 - 8.0	Krennerite	8.62
Geocronite	6.3 - 6.5	Petzite	8.7 - 9.0
Cobaltite	6.33	Minium	8.9 - 9.2
Microlite	6.33	Uraninite	9.0 - 9.7
Menaghinite	6.36	Calaverite	9.35
Phyromorphite	6.5 - 7.1	Thorianite	9.7
Wulfenite	6.5 - 7.5	Bismuth	8.8
Cerussite	6.55	Silver	10.5
Vanadinite	6.7 - 7.1	Sperrylite	10.5
Cassiterite	6.8 - 7.1	Palladium	11.9
Huebnerite	7.0	Electrum	13.5 - 17.0
Mimetite	7.0 - 7.2	Mercury	13.6
Wolframite	7.0 - 7.5	Platinum	14.0 - 19.0
Rammelsbergite	7.1	Gold	15.0 - 19.3
Acnthisite	7.2 - 7.3	Iridosmine	19.3 - 21.0
Calomel	7.2	Iridium	22.70
Argentite	7.3		

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