



TEL: 1- 800-486-2436
TEL: 1-201-384-5606 FAX: 1-201-387-0291
 Website: <http://www.micronmetals.com>

MINERALS BY HARDNESS

Mineral	Hardness
Boehmite	0. soft
Carnotite	0. soft
Mercury	0.
Carnallite	1.
Embolite	1.- 1.5
Graphite	1.- 2.
Halloysite	1.- 2.
Hectorite	1.- 1.5
Iodobromite	1.- 1.5
Iodyrite	1.- 1.5
Molybdenite	1.- 1.5
Montmorillonite	1.- 1.5
Nagyagite	1.- 1.5
Nontronite	1.- 1.5
Pyrolusite	1.- 2.
Pyrophyllite	1.- 2.
Saponite	1.- 1.5
Soda nitre	1.- 2.
Sternbergite	1.- 1.5
Talc	1.
Ulexite	1.
Beidellite	1.5
Calomel	1.5
Covellite	1.5 - 2.
Erythrite	1.5 - 2.5
Ferrimolybdite	1.5
Ice	1.5
Orpiment	1.5 - 2.
Realgar	1.5 - 2.
Sulphur	1.5 - 2.5
Sylvanite	1.5 - 2.
Vermiculite	1.5
Vivianite	1.5 - 2.
Acanthite	2.- 2.5
Argentite	2.- 2.5
Aurichalcite	2.
Autunite	2.- 2.5
Bismuth	2.- 2.5
Borax	2.- 2.5
Chlorite	2.- 2.5
Chrysocolla	2.- 4.
Diatomite	2.
Dickite	2.- 2.5
Epsomite	2.- 2.5
Garnierite	2.- 3.
Gaylussite	2.- 3.
Glauconite	2.

Mineral	Hardness
Goslarite	2.- 2.5
Gypsum	2.
Hydrozincite	2.- 2.5
Jamesonite	2.- 3.
Kaolinite	2.- 2.5
Krennerite	2.- 3.
Melanterite	2.
Muscovite	2.- 2.5
Nacrite	2.- 2.5
Nitre	2.
Paragonite	2.
Polybasite	2.- 3.
Potash Alum	2.- 2.5
Proustite	2.- 2.5
Sepiolite	2.- 2.5
Serpentine	2.- 5.
Stephanite	2.- 2.5
Stibnite	2.
Sylvite	2.
Tin	2.
Torbernite	2.- 2.5
Tyuyamunite	2.
Uranophane	2.- 3.
Biotite	2.5 - 3.
Boulangerite	2.5 - 3.
Bournonite	2.5 - 3.
Bromyrite	2.5
Brucite	2.5
Calaverite	2.5
Cerargyrite	2.5
Chalcanthite	2.5
Chalcocite	2.5 - 3.
Cinnabar	2.5
Clinoclase	2.5 - 3.
Crocoite	2.5 - 3.
Cryolite	2.5
Digenite	2.5 - 3.
Galena	2.5
Geocronite	2.5
Gibbsite	2.5 - 3.5
Glauberite	2.5 - 3.
Gold	2.5 - 3.
Gummite	2.5 - 5.
Halite	2.5
Hessite	2.5 - 3.
Langbeinite	2.5 - 3.5
Lepidolite	2.5 - 4.

Mineral	Hardness
Linarite	2.5
Menaghinite	2.5
Miargyrite	2.5
Minium	2.5
Petzite	2.5 - 3.
Phlogopite	2.5 - 3.
Phosphuranylite	2.5
Plagionite	2.5
Polyhalite	2.5 - 3.
Pyrrargyrite	2.5
Roscoelite	2.5
Semseyite	2.5
Silver	2.5 - 3.
Stolzite	2.5 - 3.
Stromeyerite	2.5 - 3.
Thenardite	2.5
Tungstite	2.5
Zinnwaldite	2.5 - 3.
Allemontite	3.- 4.
Allophane	3.
Altaite	3.
Anglesite	3.
Anhydrite	3.- 3.5
Atacamite	3.- 3.5
Barite	3.- 3.5
Bornite	3.
Calcite	3.
Celestite	3.- 3.5
Cerussite	3.- 3.5
Electrum	3.
Enargite	3.
Eucryptite	3.
Greenockite	3.- 3.5
Iddingsite	3.
Jarosite	3.
Kainite	3.
Kernite	3.
Larsenite	3.
Millerite	3.- 3.5
Pearceite	3.
Phosgenite	3.
Tennantite	3.- 4.5
Tenorite	3.- 4.
Tetrahedrite	3.- 4.5
Trona	3.
Vanadinite	3.
Wulfenite	3.



TEL: 1- 800-486-2436
TEL: 1-201-384-5606 FAX: 1-201-387-0291
 Website: <http://www.micronmetals.com>

MINERALS BY HARDNESS

Mineral	Hardness
Zinkenite	3.- 3.5
Alabandite	3.4 - 4.
Ankerite	3.5
Annabergite	3.5 - 3.
Antlerite	3.5 - 4.
Aragonite	3.5 - 4.
Arsenic	3.5
Azurite	3.5 - 4.
Brochantite	3.5 - 4.
Chalcopyrite	3.5 - 4.
Cubanite	3.5
Cuprite	3.5 - 4.
Dolomite	3.5 - 4.
Heulandite	3.5 - 4.
Magnesite	3.5 - 5.
Malachite	3.5 - 4.
Margarite	3.5 - 5.
Mimetite	3.5
Pentlandite	3.5 - 4.
Powellite	3.5 - 4.
Pyromorphite	3.5 - 4.
Rhodochrosite	3.5 - 4.5
Scorodite	3.5 - 4.
Siderite	3.5 - 4.
Sphalerite	3.5 - 4.
Stilbite	3.5 - 4.
Strontianite	3.5 - 4.
Variscite	3.5 - 4.5
Wavellite	3.5 - 4.
Witherite	3.5
Alunite	4.
Bastnaesite	4.- 4.5
Cervanite	4.- 5.
Chabazite	4.- 5.
Colemanite	4.- 4.5
Crocidolite	4.
Fluorite	4.
Laumontite	4.
Libethenite	4.
Manganite	4.
Platinum	4.- 4.5
Pyrrhotite	4.
Riebeckite	4.
Stannite	4.
Wurtzite	4.
Xenotime	4.- 5.
Zincite	4.- 4.5

Mineral	Hardness
Apophyllite	4.5 - 5.
Bismite	4.5
Brannerite	4.5
Gmelinite	4.5
Harmotome	4.5
Hemimorphite	4.5-5
Linnaeite	4.5-5.5
Palladium	4.5-5
Phillipsite	4.5-5
Scheelite	4.5-5
Siegenite	4.5-5.5
Triphylite	4.5-5
Violarite	4.5-5.5
Actinolite	5.-6
Analcime	5.-5.5
Apatite	5.
Augite	5.-6
Awaruite	5.
Cancrinite	5.-6
Datolite	5.-5.5
Diopside	5.-6
Dioptase	5.
Ferberite	5.
Goethite	5.-5.5
Hedenbergite	5.-6
Hornblende	5.-6
Huebnerite	5.
Hypersthene	5.-6
Kyanite	5.-7
Lazulite	5.-5.5
Lazurite	5.-5.5
Lepidocrocite	5.
Limonite	5.-5.5
Lithiophilite	5.
Loellingite	5.-5.5
Melilite	5.
Monazite	5.-5.5
Monticellite	5.
Natrolite	5.-5.5
Niccolite	5.-5.5
Nickel iron	5.
Opal	5.-6
Pectolite	5.
Pigeonite	5.-6
Pyrochlore	5.
Samarskite	5.-6
Scapolite	5.-6

Mineral	Hardness
Scolecite	5.-5.5
Skutterudite	5.
Smithsonite	5.
Sphene	5.-5.5
Thomsonite	5.
Thorite	5.
Tremolite	5.-6
Wolframite	5.-5.5
Wollastonite	5.-5.5
Allanite	5.5-6
Anatase	5.5-6
Anthophyllite	5.5-6
Arsenopyrite	5.5-6
Bravoite	5.5-6
Bronzite	5.5
Brookite	5.5-6
Chromite	5.5
Cobaltite	5.5
Danaite	5.5-6
Enstatite	5.5
Euxenite	5.5-6.5
Fergusonite	5.5-6.5
Gersdorffite	5.5
Hausmannite	.5
Hauynite	5.5-6
Hematite	5.5-6.5
Ilmenite	5.5-6
Ilvaite	5.5-6
Jacobsite	5.5-6.5
Leucite	5.5-6
Manganosite	5.5
Marialite	5.5-6
Meionite	5.5-6
Microlite	5.5
Nepheline	5.5-6
Ni skutterudite	5.5-6
Pargasite	5.5
Perovskite	5.5
Polycrase	5.5-6.5
Rammelsbergite	5.5-6
Rhodonite	5.5-6
Scorzalite	5.5-6
Sodalite	5.5-6
Uraninite	5.5
Willemite	5.5
Acmite	6.-6.5
Albite	6.



TEL: 1- 800-486-2436
TEL: 1-201-384-5606 FAX: 1-201-387-0291
 Website: <http://www.micronmetals.com>

MINERALS BY HARDNESS

Mineral	Hardness
Amblygonite	6.
Andesine	6.
Anorthite	6.
Anorthoclase	6.
Arfvedsonite	6.
Braunite	6.-6.5
Bytownite	6.
Cassiterite	6.-7
Celsian	6.
Chloritoid	6.-7
Chondrodite	6.-6.5
Clinoenstatite	6.
Clinoferrosilite	6.
Clinohumite	6.
Clinzoisite	6.-6.5
Columbite	6.
Cumingtonit	6.
Edenite	6.
Epidote	6.-7
Ferrosilite	6.
Franklinite	6.
Glaucophane	6.-6.5
Hastingsite	6.0
Helvite	6.-6.5
Humite	6.
Hyalophane	6.
Iridium	6.-7
Iridosmine	6.-7
Kaliophilite	6.
Labradorite	6.
Lechatelierite	6.-7
Magnetite	6.
Marcasite	6.-6.5
Microcline	6.
Mullite	6.-7
Norbergite	6.
Noselite	6.
Oligoclase	6.
Orthoclase	6.
Ottrelite	6.-7
Petalite	6.-6.5
Polianite	6.-6.5
Prehnite	6.-6.5
Pyrite	6.-6.5
Rutile	6.-6.5
Sillimanite	6.-7
Sperrylite	6.-7

Mineral	Hardness
Tantalite	6.-6.5
Tephroite	6.
Turquoise	6.
Zoisite	6.
Axinite	6.5-7
Diaspore	6.5-7
Fayalite	6.5
Forsterite	6.5
Gadolinite	6.5-7
Garnet (G)	6.5-7.5
Grossularite	6.5
Idocrase	6.5
Jadeite	6.5-7
Olivine	6.5-7
Piedmontite	6.5
Pollucite	6.5
Spodumene	6.5-7
Thorianite	6.5
Turgite	6.5
Almandite	7.
Andradite	7.
Boracite	7.
Chalcedony	7.
Chert	7.
Cordierite	7.-7.5
Cristobalite	7.
Danburite	7.
Dumortierite	7.
Flint	7.
Pyrope	7.
Quartz	7.
Rhodolite	7.
Spessartite	7.
Staurolite	7.-7.5
Tourmaline	7.-7.5
Tridymite	7.
Andalusite	7.5
Beryl	7.5-8
Euclase	7.5
Gahnite	7.5-8
Galaxite	7.5-8
Hercynite	7.5-8
Phenacite	7.5-8
Uvarovite	7.5
Zircon	7.5
Lawsonite	8.
Spinel group	8.

Mineral	Hardness
Topaz	8.
Chrysoberyl	8.5
Corundum	9.
Diamond	10.