

Hardness of Gems

Diamond	10	Sinhalite	6½-7	Obsidian	5-5½
Corundum	9	Tanzanite	6½-7	Sphene	5-5½
Ruby	9	Tiger's-eye	6½-7	Wolfrinite	5-5½
Sapphire	9	GGG	6½	Aparite	5
Alexandrite	8½	Idocrase	6½	Dioptase	5
Chrysoberyl	8½	Epidote	6-7	Eosphonte	5
Cubic zirconia	8½	Cassitente	6-7	Glass	5
Djevalite	8-8½	Pyrolusite	6-7	Hemimorphite	5
Spinel	8	Amazonite	6-6½	Smithsonite	5
Taafferite	8	Andesine	6-6½	Apophyllite	4½-5
Topaz	8	Aventunne Fsp	6-6½	Gasperite	4½-5
YAG	8	Benitoite	6-6½	Scheelite	4½-5
Acquamarine	7½-8	Labradorite	6-6½	Colemanite	4½
Beryl	7½-8	Moonstone	6-6½	Kynite	4-7
Emerald	7½-8	Nephrite	6-6½	Variscite	4-5
Gahnite	7½-8	Orthoclase	6-6½	Zincite	4-8
Phenakite	7½-8	Petalite	6-6½	Purpurite	4-4½
Andalusite	7½	Prehnite	6-6½	Ammonite	4
Euclase	7½	Pyrite	6-6½	Barytocalcite	4
Hambergite	7½	Rutile	6-6½	Fluorite	4
Sapphirine	7½	Sugilite	6-6½	Rhodochrosite	4
Dumortierite	7½-8½	Tantalite	6-6½	Magnesite	3½-4½
Boracite	7-7½	Zoisite	6-6½	Siderite	3½-4½
Danburite	7-7½	Amblygonite	6	Aragonite	3½-4½
Iolite	7-7½	Sanidine	6	Azutrite	3½-4½
Simposonite	7-7½	Hermalite	5½-6½	Chalcopyritee	3½-4½
Tourmaline	7-7½	Magnetite	5½-6½	Quprite	3½-4½
Amethyst	7	Opal	5½-6½	Dolomite	3½-4½
Aventurine	7	Rhodonite	5½-6½	Malachite	3½-4½
Rock crystal	7	Actionolite	5½-6½	Sphalerite	3½-4½
Citrine	7	Anatase	5½-6½	Anhydrite	3½-4½
Prasiolite	7	Beryllonite	5½-6½	Coral	3½-4½
Quartz	7	Hauynite	5½-6½	Baarite	3-3½
Smoky quartz	7	Leucite	5½-6½	Cerussite	3-3½
Rose quartz	7	Periclase	5½	Celestite	3-3½
Almandite	6½-7½	Scapolite	5½	Howlite	3-3½
Andradite	6½-7½	Sodalite	5½	Witherite	3-3½
Demantoid	6½-7½	Tugtupite	5½	Calciate	3
Garnet	6½-7½	Brazilianite	5½	Kurnakovite	3
Grossularite	6½-7½	Enstatite	5½	Wulfenite	3
Hessonite	6½-7½	Linobate	5½-6	Serpentine	2½-5½
Pyrope	6½-7½	Moldavite	5½-6	Perla	2½-5½
Spessartite	6½-7½	Smaragdite	5½-6	Gaylussite	2½-3
Uvarovite	6½-7½	Willemite	5½-6	Gold	2½-3
Zircon	6½-7½	Cancrinite	5-6	Crocoite	2½-3
Agate	6½-7	Cataplenite	5-6	Silver	2½-3
Axinite	6½-7	Charoite	5-6	Proustite	2-2½
Chalcedony	6½-7	Diopside	5-6	Chrysocolia	2-4
Chrysopase	6½-7	Hyperstene	5-6	Phosgenite	2-3
Diaspore	6½-7	Lapis Lazuli	5-6	Amber	2-2½
Hiddenite	6½-7	Lazulite	5-6	Cinnabar	2-2½
Jadeite	6½-7	Tremolite	5-6	Meerscham	2-2½
Jasper	6½-7	Turquoise	5-6	Ulexite	2-2½
Kornerupine	6½-7	Analcite	5-5½	Gypsum	2
Kunzite	6½-7	Datolite	5-5½	Sulfur	1½-2½
Peridot	6½-7	Melinophane	5-5½	Stichite	1½-2½
Pollucite	6½-7	Natrolite	5-5½	Vivianite	1½-2½
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