

MOH Chart

Material Mohs' Hardness

Alumina (Synthetic aluminum oxide)
3.4

Aluminum oxide
9

Alundum (Fused brown Al₂O₃)
9.0

Amalgam
4 - 5

Anatase
5.5 - 6

Apatite
5

Barium sulfate
3

Boron carbide
9 - 10

Burundum
9+

Calcite
3

Chalk (calcium carbonate)
3

Chrysoberyl
8.5

Copper slag
7

Corundum (Natural aluminum oxide)
9

Crystolon (SiC)
9.0

Cuttlebone
7

Dentin
3 - 4

Diamond
10

Diopside
5 - 6

Emery
7 - 9

Enamel
5

Enstatite
5.5

Feldspar
6

Fluorite
4

Furnace slag
7

Garnet
6.5 - 7.5

Glass (lead free)
7

Glass Bead
5.5

Gold
2.5 - 3

Gypsum
2

Hematite

5.5 - 6.5

Kyanite
4 - 7

Magnetite
5.5 - 6.5

Olivine
6.5

Orthoclase
6

Petalite
~ 6

Plastic media
3 - 4

Porcelain, feldspathic
6 - 7

Pumice
6

Pyrite
6.5

Quartz (Silica sand)
7

Serpentine
2 - 4

Silica sand
6 - 7

Silicon carbide
9 - 10

Sillimanite
6 - 7

Soda (Sodium bicarbonate)
2.5

Specular hematite
7 - 7.5

Spinel
~ 8

Spodumene
6 - 7

Staurolite
7.0 - 7.5

Steatite (Soapstone)
1 - 2.5

Steel grit
RC= 42 - 62

Steel shot
8 or
RC= 42 - 50

Strontium titanate
5 - 6

Talc
1

Titanium dioxide, Anatase
5.5

Titanium dioxide, Rutile
6.5

Topaz
8

Tungsten carbide
9

YAG
~ 8 1/4

Zinc sulfide
3

Zirconia
8

Zirconium silicate (Zircon)

6.5 - 7.5