

Mohs Hardness (Typical) of the Abrasives

Material	Mohs Hardness	Material	Mohs Hardness
Alumina (Synthetic aluminum oxide)	3.4	Magnetite	5.5 - 6.5
Aluminum oxide	9	Olivine	6.5
Alundum (Fused brown Al ₂ O ₃)	9.0	Orthoclase	6
Amalgam	4 - 5	Petalite	- 6
Anatase	5.5 - 6	Plastic media	3 - 4
Apatite	5	Porcelain, feldspathic	6 - 7
Barium sulfate	3	Pyrite	6.5
Boron carbide	9 - 10	Pumice	6
Burundum	9 +	Quartz (Silica sand)	7
Calcite	3	Serpentine	2 - 4
Chalk (Calcium carbonate)	3	Silica sand	6 - 7
Chrysoberyl	8.5	Silicon carbide	9 - 10
Copper slag	7	Sillimanite	6 - 7
Corundum (Natural aluminum oxide)	9	Soda (Sodium bicarbonate)	2.5
Crystolon (SiC)	9.0	Specular hematite	7 - 7.5
Cuttlebone	7	Spinel	- 8
Dentin	3 - 4	Spodumene	6 - 7
Diamond	10	Staurolite	7.0 - 7.5
Diopside	5 - 6	Steatite (Soapstone)	1 - 2.5
Emery	7 - 9	Steel grit	RC = 42 - 62
Enamel	5	Steel shot	8 or RC = 42 - 50
Enstatite	5.5	Strontium titanate	5 - 6
Feldspar	6	Talc	1
Fluorite	4	Topaz	8
Furnace slag	7	Titanium dioxide, Anatase	5.5
Garnet	6.5 - 7.5	Titanium dioxide, Rutile	6.5
Glass Bead	5.5	Tungsten carbide	9
Glass (lead free)	7	YAG	~ 8 1/4
Gold	2.5 - 3	Zinc sulfide	3
Gypsum	2	Zirconia	8
Hematite	5.5 - 6.5	Zirconium silicate (Zircon)	6.5 - 7.5
Kyanite	4 - 7		