



GNP Graystar

Specialty Materials

Mohs Hardness

rev. 03/2020

Material	Mohs Hardness									
	1	2	3	4	5	6	7	8	9	10
Talc	1									
Steatite (Soapstone)	1 - 2.5									
Gypsum		2								
Serpentine		2 - 4								
Soda (Sodium Bicarbonate)			2.5							
Gold		2.5 - 3								
Barium Sulfate			3							
Calcite			3							
Chalk (Calcium Carbonate)			3							
Zinc Sulfide			3							
Dentin			3 - 4							
Plastic Media			3 - 4							
Alumina (Synthetic Aluminum Oxide)			3.4							
Fluorite				4						
Amalgam				4 - 5						
Kyanite				4 - 7						
Apatite					5					
Enamel					5					
Diopside					5 - 6					
Strontium Titanate					5 - 6					
Glass Bead					5.5					
Enstatite					5.5					
Titanium Dioxide (Anatase)					5.5					
Anatase					5.5 - 6					
Hematite					5.5 - 6.5					
Magnetite					5.5 - 6.5					
Orthoclase						6				
Petalite						6				
Pumice						6				
Feldspar						6				
Porcelain, feldspathic						6 - 7				
Sillimanite						6 - 7				
Spodumene						6 - 7				



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	1	2	3	4	5	6	7	8	9	10
Silica Sand						6 - 7				
Olivine						6.5				
Pyrite						6.5				
Titanium Dioxide, Rutile						6.5				
Zirconium Silicate (Zircon)						6.5 - 7.5				
Copper Slag						7				
Cuttlebone						7				
Furnace Slag						7				
Glass (Lead Free)						7				
Quartz (Silica Sand)						7				
Specular Hematite						7 - 7.5				
Staurolite						7 - 7.5				
Garnet						7 - 8				
Emery						7 - 9				
Spinel							~8			
YAG							8¼			
Steel Shot/Grit							8			
Zirconia							8			
Chrysoberyl								8.5		
Aluminum Oxide/Alundum									9	
Corundum (Natural Aluminum Oxide)									9	
Crystolon (SiC)									9	
Tungsten Carbide									9	
Burundum									9+	
Boron Carbide									9 - 10	
Silicon Carbide									9 - 10	
Diamond										10

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