

Garnet Powder

Technical Data



Description

Our natural, mined garnet has long been recognized throughout the world as the optimum abrasive fining powder for all glass operations. Because of its special crystal structure and friability, our garnet will fracture into sharp edged particles as it is used.

The results are high stock removal and excellent surface finish prior to final polishing.

Available in a range of carefully controlled grades designated 240W through 350W and W0 through W14. Average particle sizing ranges from 56.0 to 5.4 microns.

Chemical and friability characteristics are extremely consistent because this is a natural, mined product.

Chemical analysis

Silicon Dioxide (SiO ₂)	41.30 %	Calcium Oxide (CaO)	2.95 %
Ferrous Oxide (FeO)	9.70 %	Magnesium Oxide (MgO).....	12.35 %
Ferric Oxide (Fe ₂ O ₃).....	12.50 %	Manganese Oxide (MnO)	0.85 %
Aluminum Oxide (AL ₂ O ₃)	20.35 %		

Hardness

8-9 On the Mohs scale.

Sizes

W0.....	24 μ
W2.....	21 μ
W4.....	17 μ
W5.....	14 μ
W6.....	11 μ
W7.....	9 μ
W8.....	7 μ