

TECHNICAL DATA SHEET

Garnet Sand

Garnet is a kind of mineral with good hardness and widely used for abrasives, refractory material, sandblasting and waterjet cutting,etc.Garnet's unique characteristics improve production rates, reduce abrasive usage and lower disposal and clean- up costs. High purity rock garnet provides fast cutting, ideal for removing thin to medium thickness coatings, mill scale, and rust.

CHEMICAL COMPOSITION %

Iron (Fe ₂ O ₃ +FeO).....	25-31%
Alumina Al ₂ O ₃	17-21%
Magnesium MgO.....	5-6%
Silica SiO ₂ *	34-40%
Calcium CaO.....	5.0-10.0%
Manganese MnO.....	0-1.0%

PHYSICAL CHARACTRTISTIC

Specific Gravity.....	3.8-4.1g/cm ³
Bulk Density.....	1.8-1.9 g/cm ³
Hardness (Mohs).....	7.5-8.0
Melting point.....	1300°C
Color.....	Red & Pink
Grain shape.....	Sharp, Angular
Chloride content	< 25ppm
Acid solubility(HCL).....	< 1%
Conductivity	< 25 ms/m
Toxic substances.....	None

MINERALOGICAL COMPOSTION(TYPICAL)

Garnet.....	98-99%
Ilmenite.....	<1%
Quartz	<0.2%
Others.....	< 2 %

STANDARD PACKING

- 1 Ton Bulk Jumbo Bag.
- 40 X 25 Kg PP bags packed in to 1 Ton Bag .