

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 ($\text{Fe}_2\text{O}_3 + \text{FeO}$).....	25-31%
Alumina Al_2O_3	17-21%
Magnesium MgO	5-6%
Silica SiO_2 *	34-40%
Calcium CaO	5.0-10.0%
Manganese MnO	0-1.0%

PHYSICAL CHARACTERISTIC

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

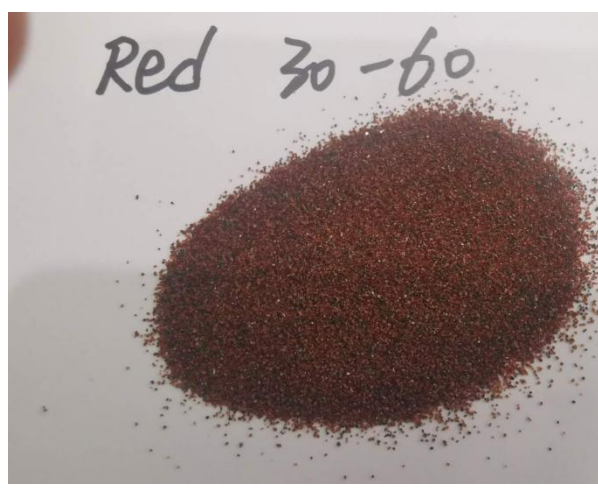
MINERALOGICAL COMPOSITION(TYPICAL)

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 .

Pictures of garnet sand



PS:

Pink Garnet Sand-Alluvial garnet

Red Garnet sand-Almandine Garnet