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## TECHNICAL DATA SHEET

PRODUCT: RED GARNET SAND

SIZE: 80

Red garnet sand,selected from high quality almandine, with high hardness, high density, good toughness, sharp edges, is a high-grade, pure natural non-metal abrasive for blast cleaning and water-jet cutting

### **AVERAGE CHEMICAL COMPOSITION(TYPICAL)**

SiO <sub>2</sub>	34-40%
Al <sub>2</sub> O <sub>3</sub>	17-21%
FeO+Fe <sub>2</sub> O <sub>3</sub>	25-31%
MnO	0-1%
CaO	5-20%
MgO	5-6%

### **MINERAL COMPOSITION(TYPICAL)**

Almandine Ganet	98.5%
Ilmenite	1.42%
Others	0.08%

### **PHYSICAL CHARACTRTISTICS(TYPICAL)**

Bulk Density	1.8-1.9g/cm <sup>3</sup>
Specific Gravity	3.8-4.1g/cm <sup>3</sup>
Mohs Hardness	7.5-8.0
Melting Point	1300°C
Grain Shape	Sharp Angular
Total Chlorides	<25PPM
Acid Solubility(HCL)	<1%
Conductivity	<25ms/m
Toxic substance	none

### **PACKAGING**

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

### **PARTICLE SIZE DISTRIBUTION**

mesh	microns	retained %
+40	425um	0
+50	300um	0-10
+60	250um	20-40
+80	180um	20-50
+100	150um	0-10

### **MAIN APPLICATIONS**

- 1.Water filtration media
- 2.Sand blasting
- 3.Water jet cutting abrasive

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The shown values are typical characteristics of the material and shall not be used to prepare specifications. They are submitted to tolerances of the production and meet the present standard of technique. We reserve our right for changes within the scope of technical progress or internal improvement..