

Contact Manufacturer  
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## TECHNICAL DATA SHEET

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### **PRODUCT:** GARNET POWDER/FLOUR/MICROPOWDER

Garnet powder/flour/micropowder is selected from high quality almandine,with high hardness,density and toughness and got through grinding and air classification to different sizes.

### **SIZES**

240mesh 280mesh 300-350mesh 360mesh 400mesh 500mesh 600mesh 800mesh 1000mesh 1200mesh 1500mesh 2000mesh

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

SiO <sub>2</sub>	28-34%
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	10-20%
Free Silica	0-0.1%
Na <sub>2</sub> O	0-1%
TiO <sub>2</sub>	0-1.5%

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

Almandine Ganet	92-96%
Ilmenite	1.0%
Omphacite	1.5%
Rutile	0.5%
Hornblende	0-0.5%

### **PHYSICAL PRTOPERTIES**

Bulk Density	1.9-2.1g/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	Sub Angular
Total Chlorides	<25PPM
Acid Solubility(HCL)	<1%
Conductivity	<83us/cm

### **MAIN APPLICATIONS**

- Grinding and polishing of precision material
- TV screen
- Optical component
- Semiconductor
- Special glass products

### **PACKAGING**

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

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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..