

# A1 Garnet

## SPECIFICATIONS

### GRADE #100

Mineralogy	Guaranteed (%)	Typical (%)
<b>Garnet</b>	Min - 90	92
<b>Chemical Analysis</b>		
Parameters		Typical (%)
<b>SiO<sub>2</sub></b>		36.32%
<b>Al<sub>2</sub>O<sub>3</sub></b>		21.12%
<b>Fe<sub>2</sub>O<sub>3</sub></b>		32.15%
<b>TiO<sub>2</sub></b>		1.90%
<b>CaO</b>		1.10%
<b>MgO</b>		4.12%
<b>ZrO<sub>2</sub></b>		Traces
<b>Soluble Chloride</b>		Less than 20 ppm
<b>Sieve Analysis</b>		
Mesh (US)		Retention (%)
<b>+50</b>		0.20
<b>+60</b>		4.55
<b>+70</b>		31.25
<b>+80</b>		5.50
<b>+100</b>		42.50
<b>+120</b>		14.50
<b>Physical Analysis</b>		
<b>Specific Gravity</b>		4.1
<b>Hardness</b>		7.5 - 8.00 (Moh Scale)
<b>Bulk Density</b>		2.40 gm/cm <sup>3</sup>
<b>Conductivity</b>		< 10 Micron Siemens/Metre

**Note:** Garnet is a natural product and as such slight variations in the chemical analysis and size distribution should be expected. Special contracts covering guarantees other than those specified can be negotiated.

### Packaging

- 25 kgs. PE bags (max. 1000 kgs/ 1MT.)
- 1000 kgs. In 1MT Jumbo bag.

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