



## **Texan Minerals and Chemicals LLC**

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### **Indian Garnet 30-60 Mesh Product specification**

<b>Chemical Analysis</b>		<b>Sieve Analysis Report</b>			
Elements	%	MM	ASTM	Retained(%)	Cum.(%)
SiO <sub>2</sub>	36-37	0.600	+30	2-4	2-4
Al <sub>2</sub> O <sub>3</sub>	21-22	0.420	+40	20-22	22-26
Fe <sub>2</sub> O <sub>3</sub>	32-33	0.300	+50	55-62	77-84
MgO	7.0-7.5	0.250	+60	12-14	89-96
CaO	1.0-1.2	0.210	+70	2	91-98
TiO <sub>2</sub>	0.52	0.180	+80	1	92-99
LOI	0.02	0.150	PAN	0.1-1	100

<b>Mineral Composition</b>		<b>Physical Analysis</b>	
Mineral	% by Weight	Test	Result
Garnet	97-98	Specific Gravity	4.1
Ilmenite	1.3-1.7	Bulk Density	2.3 gm/cm <sup>3</sup>
Quartz	0.10-0.20	Hardness	7.5-8 Moh scale
Sillimanite	0.72-0.80	Conductivity	120 μ S/cm at 25.5 ° C
Others	0.25-0.36	Chloride	15-18 ppm

**Standard Packing: 1,000 kgs (2,200 lbs.) or 2,000 kgs (4,400 lbs.) top and bottom spouted bulk bags with or without internal liner**