



# Texan Minerals and Chemicals LLC

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## Indian Garnet 50-80 Mesh Product Specification

Chemical Analysis		Sieve Analysis Report			
Elements	%	MM	ASTM	Retained	Cum.
SiO <sub>2</sub>	36-37	0.420	40 mesh	0.96 gr	0.36%
Al <sub>2</sub> O <sub>3</sub>	21-22	0.300	50 mesh	26.34 gr	10.13%
Fe <sub>2</sub> O <sub>3</sub>	32-33	0.250	60 mesh	93.24 gr	35.87%
MgO	7.0-7.5	0.210	70 mesh	80.97 gr	31.15%
CaO	1.0-1.2	0.180	80 mesh	34.66 gr	13.33%
TiO <sub>2</sub>	0.52	0.150	100 mesh	18.43 gr	7.09%
LOI	0.02	Pan	PAN	4.70	1.8
			Total	259.23 gr	99.90%

Mineral Composition		Physical Analysis	
Mineral	% b.y Weight	Test	Result
Garnet	94-95	Specific Gravity	4.11
Ilmenite	0.4-0.6	Bulk Density	2.32-2.4 gm/cm <sup>3</sup>
Quartz	0.5-0.60	Hardness	7.5-8 Moh scale
Sillimanite	0.80-1.00	Conductivity	120 μ S/cm at 25.5 ° C
Others	0.50-0.63	Chloride	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**