



## **Texan Minerals and Chemicals LLC**

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### **India Best 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	1-2	1-2
Al <sub>2</sub> O <sub>3</sub>	21-22	0.420	+40	15-16	16-18
Fe <sub>2</sub> O <sub>3</sub>	32-33	0.300	+50	55-57	71-75
MgO	7.0-7.5	0.250	+60	17-20	88-95
CaO	2.0-3.0	0.210	+70	4-4.5	92-99.5
TiO <sub>2</sub>	0.52	0.180	+80	2-2.5	94-100
LOI	0.02	-	PAN	0.1-1	100

<b>Mineral Composition</b>		<b>Physical Analysis</b>	
Mineral	% by Weight	Test	Result
<b>Garnet</b>	<b>97-98</b>	<b>Specific Gravity</b>	<b>4.1</b>
<b>Ilmenite</b>	<b>1.3-1.7</b>	<b>Bulk Density</b>	<b>2.3 gm/cm<sup>3</sup></b>
<b>Quartz</b>	<b>0.10-0.20</b>	<b>Hardness</b>	<b>8 Moh scale</b>
<b>Sillimanite</b>	<b>0.72-0.80</b>	<b>Conductivity</b>	<b>36 μ S/cm at 25.5 ° C</b>
<b>Others</b>	<b>0.25-0.36</b>	<b>Chloride</b>	<b>12-15 ppm</b>

**Radiation: Less Than 10 Micro Roentgen per hour**

**Standard Packing: 1,000 kgs (2,200 lbs.) or 2,000 kgs (4,400 lbs.) top and bottom spouted bulk bags with internal liner**