



# Texan Minerals and Chemicals LLC

14090 Southwest Freeway, Suite 310, Sugar Land, TX 77478

Phone: 713-294-4180 Email: Mani@TMCgreen.com



## Indian Garnet 50-80 Mesh Product Specification

Texan Indian Garnet 50-80 Mesh			
Sieve Size	Cumulative Weight of Sand (g)	Weight of Sand in Sieve (g)	% Weight
30	0.00	0.00	0.00
40	0.07	0.07	0.06
50	13.72	13.65	12.45
60	49.96	36.24	33.04
70	87.45	37.49	34.18
80	103.35	15.90	14.50
PAN	109.68	6.33	5.77
Starting Total weight (g)	109.82		

Chemical Analysis	
Elements	%
SiO <sub>2</sub>	36-37
Al <sub>2</sub> O <sub>3</sub>	21-22
Fe <sub>2</sub> O <sub>3</sub>	32-33
MgO	7.0-7.5
CaO	1.0-1.2
TiO <sub>2</sub>	0.52
LOI	0.02

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**