



Texan Minerals and Chemicals LLC

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India River Garnet 20-40 Mesh Product Specification

Chemical Analysis		Sieve Analysis Report			
Elements	%	MM	ASTM	Retained(%)	Cum.(%)
SiO ₂	36-38	0.119	+16	0-1	0-1
Al ₂ O ₃	18-20	0.850	+20	3-4	3-5
Fe ₂ O ₃	32-34	0.710	+25	26-28	29-33
MgO	2-3	0.600	+30	30-32	59-65
CaO	1-2	0.500	+35	28-30	87-95
CaCO ₃	Absent	0.425	+40	5	92-100
TiO ₂	0.5-1		Total	100	100
LOI	0.32				

Mineral Composition		Physical Analysis	
Mineral	% by Weight	Test	Result
Garnet	98-99	Specific Gravity	4.2
Ilmenite, Amphibole	1.0-1.5	Bulk Density	2.3 gm/cm ³
Quartz	0.1-0.3	Hardness	8.0 Moh scale
Chemical Analysis			
Carbonates	Nil	Chloride	12 ppm
Nitrate	Nil	Sulphate	4 PPM
Conductivity	120 μ S/cm at 25.5 °C		

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