



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	8-10	9-11
Fe ₂ O ₃	32-34	0.710	+25	20-22	29-33
MgO	2-3	0.600	+30	20-24	49-55
CaO	1-2	0.500	+35	22-24	72-74
CaCO ₃	Absent	0.425	+40	20-22	94-96
TiO ₂	0.5-1	0.297	+45	2-4	96-100
LOI	0.32		Total	100	100

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