

Physical Properties

Color	:	Reddish Brown / Deep Red
Shape	:	Sub Angular to Angular
Specific Gravity	:	3.80 - 4.20 g / cm ³
Bulk Density, kg/m ³	:	2150-2400 Kg / M ³
Hardness, Mohs	:	7-8
Acid Solubility, % w/w	:	1.10



Typical Chemical Analysis

Contents %	Value
Silica (SiO ₂)	36.60
Aluminium Oxide (Al ₂ O ₃)	25.70
Loss on ignition (LOI)	0.22
Iron Oxide (Fe ₂ O ₃)	32.6
Magnesium Oxide (MgO)	0.43
Calcium Oxide (CaO)	2.26
Titanium Dioxide (TiO ₂)	0.34
Sodium Oxide (Na ₂ O)	0.89
Potassium Oxide (K ₂ O)	0.25
Manganese Oxide (MnO)	0.26
Sulphate (So ₃)	0.01
Phosphorus (P ₂ O ₅)	0.11
Chloride (Cl)	0.006



Packaging

- 25 Kg HDPE Bags (40 Bags on 1 Pallet or Jumbo Bag)
- 1250 Kg Jumbo Bag

Garnet Specifications Percent Passing

Mesh	Micron	MM	Size				
			12-18 Mesh	16-30 Mesh	20-40 Mesh	30-60 Mesh	80 Mesh
Retained			%	%	%	%	%
12	1700	1.700	1.17				
14	1400	1.400	11.58	0.12			
18	1000	1.000	74.21	19.58			
20	850	0.850	8.36	46.88	0.17		
30	600	0.600	4.68	33.10	31.25	0.24	
40	425	0.425		0.32	60.68	16.02	
45	355	0.355					
50	300	0.300			7.90	50.34	
60	250	0.250				18.30	0.04
70	212	0.212				10.04	9.40
80	180	0.180				5.06	49.44
100	150	0.150					33.09
120	125	0.125					7.16
140	106	0.106					1.22
Total			100	100	100	100	100