



BALAJI GROUP

QUALITY WITHOUT COMPROMISE,
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CHEMICAL SPECIFICATION REPORT OF GARNET SAND

CHARACTERISTIC

Product : Garnet Abrasive Sand.
Size : 12/20, 20/40, 30/60, 80 & 120 Mesh.
Used For : Sand Blasting, Water Jet Cutting etc.

CHEMICAL COMPOSITION

SiO ₂	36-38%
Al ₂ O ₃	20-22%
Fe ₂ O ₃	31-33%
MgO	6-8%
MnU	0.53%
CaO	1-1.5%
TiO ₂	0.3-0.7%

PHYSICAL PROPERTIES

Chloride	20 PPM Max.
Electrical Conductivity	35 ms/cm
Specific Gravity	4.1
Color	Reddish Brown
Bulk Density	2.40 gm/cm ³
Hardness	7.8 MOH Approx.
Melting Point	1300
Grain Shape	Sub Angular

SIEVE ANALYSIS

#20 Mesh

#30 Mesh

#80 Mesh

#120 Mesh

+20 Mesh: 5% Max.

+30 Mesh: 5% Max.

+80 Mesh: 5% Max.

+120 Mesh: 5% Max.

-40 Mesh: 5% Max.

-60 Mesh: 5% Max.

-80 Mesh: 5% Max.

-120 Mesh: 5% Max.



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SHRI BALAJI MINERALS

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The **achievement** of perfection in quality is our Goal; but excellence is **guarantee..**