

TECHNICAL SPECIFICATION

PHYSICAL PROPERTIES

PRODUCT: GARNET

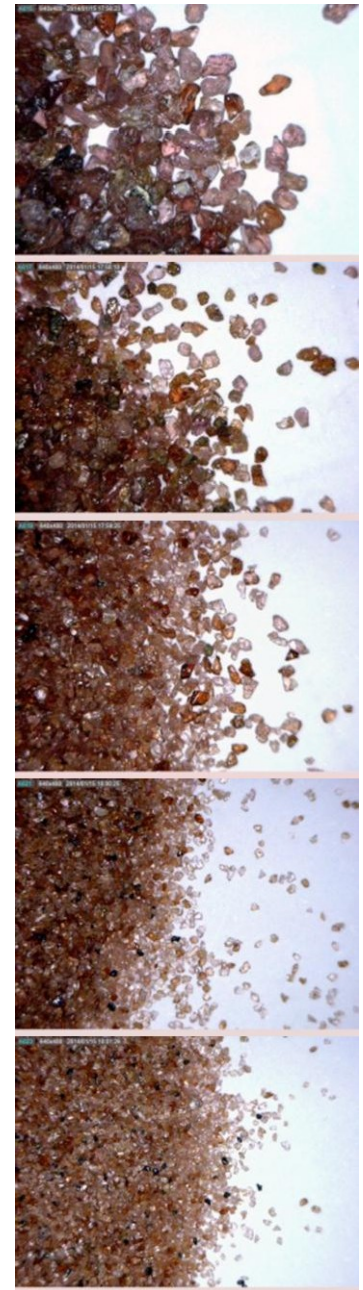
Melting Point	1320 °C
Specific Gravity	4.0 to 4.5
Bulk Density	2.4 g/cm ³
Solubility in Water	Insoluble
Acid Solubility	< 0.5 %
Appearances & Odor	Pink to red & No odor
Physical State	Solid
Viscosity	Not Applicable
Boiling Point	Not Applicable
Vapour Pressure	Not Applicable
Ph	Neutral
Hardness	> 7 Moh scale
Free Metal	< 0.01 %
Water soluble Chloride	< 25 ppm
Conductivity	< 15 mS/m
Moisture	< 0.20 % (dry solid)
Grade Shape	Sub Angular
Grain Size	90 micron to 1700 micron

CHEMICAL PROPERTIES

SiO₂	35.00 %
Fe₂O₃	33.00 %
Al₂O₃	21.00 %
MgO	07.30 %
CaO	01.50 %
TiO₂	01.00 %
Cr₂O₃	00.05 %
MnO	00.50 %
P₂O₅	00.04 %

MINERALOGICAL COMPOSITION

Almandine Garnet (Fe₃Al₂(SiO₄)₃)	>98.00 %
Ilmenite (FeTiO₃)	<01.50 %
Shell (CaCO₃)	<00.20 %
Quartz (SiO₂)	<00.50 %
Zircon (ZrSiO₄)	< 00.20 %



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