

PRODUCT DATA SHEET

80 MESH



TYPICAL CHEMICAL ANALYSIS

Element	Presenting As	Conc. %
Silica*	SiO ₂	38%
Iron	Fe ₂ O ₃	34%
Alumina	Al ₂ O ₃	21%
Magnesium	MgO	6%
Calcium	CaO	2%
Manganese	MnO	1%
Titanium	TiO ₂	< 1%
Chlorides^	Cl-	7-15pmm

*Silica that is bound within the lattice of the garnet crystal and not free crystalline silica

^Chloride's limit of 25pmm

TYPICAL PHYSICAL CHARACTERISTICS

Property	Value
Specific Gravity	4.1
Bulk Density	2.1 T/m ³
Hardness	7 - 8 mohs
Melting Point	1,250°C / 2,250°F
Conductivity	10 - 15 mS/m
Particle Shape	Sub Angular
Fracture	Sub Conchoidal
Moisture Absorption	Nil
Magnetic Susceptibility	600 gauss
Radioactive	Non-Radioactive

TYPICAL MINERAL COMPOSITION

Mineral		Conc. %
Garnet (Almandine)	Fe ₃ Al ₂ (SiO ₄) ₃	≥ 97%
Ilmenite	FeTiO ₃	≤ 1%
Zircon	ZrSiO ₄	< 0.1%
Crystalline Silica (free)	SiO ₂	< 0.1%
Other		< 2%

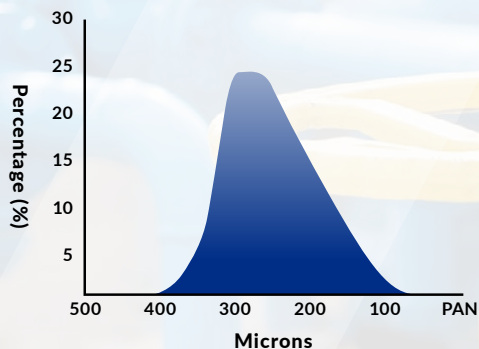


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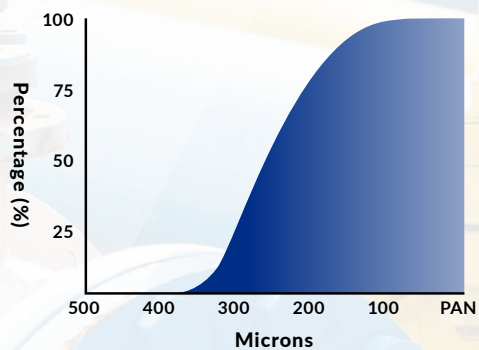
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TYPICAL PARTICLE SIZING

DISCRETE % OF PARTICLE RETAINED



CUMULATIVE % OF PARTICLE RETAINED



PRODUCT PACKAGING

25KG PAPER BAGS

1 TONNE BULK BAGS

2 TONNE BULK BAGS

CERTIFICATIONS

US MIL-SPEC (QPL): MIL-PRF-22262C

SSPC-AB1 INCLUDING APPENDIX B

ISO 9001/14001/45001

AUSTRALIAN GARNET PTY LTD

ABN 22 646 741 157

LEVEL 3, 14 WALTERS DRIVE, OSBORNE PARK,
WESTERN AUSTRALIA 6017

A PRODUCT BY:

