

PRODUCT DATA SHEET

120 MESH

Typical Chemical Analysis

ELEMENT	PRESENTING AS	CONC. %
Silica*	SiO ₂	33%
Iron	Fe ₂ O ₃	32%
Alumina	Al ₂ O ₃	18%
Magnesium	MgO	5%
Calcium	CaO	2%
Manganese	MnO	1%
Titanium	TiO ₂	9%
Chlorides^	Cl-	10-20ppm

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

^ Chloride's limit of 25ppm

Typical Physical Characteristics

PROPERTY	VALUE
Specific Gravity	4.1
Bulk Density	2.3 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	≥ 91%
Ilmenite	FeTiO ₃	≤ 9%
Zircon	ZrSiO ₄	< 0.1%
Crystalline Silica (free)	SiO ₂	< 0.1%
Other		< 1%

National Distributor:

BURWELL
TECHNOLOGIES

Contact the Burwell sales team

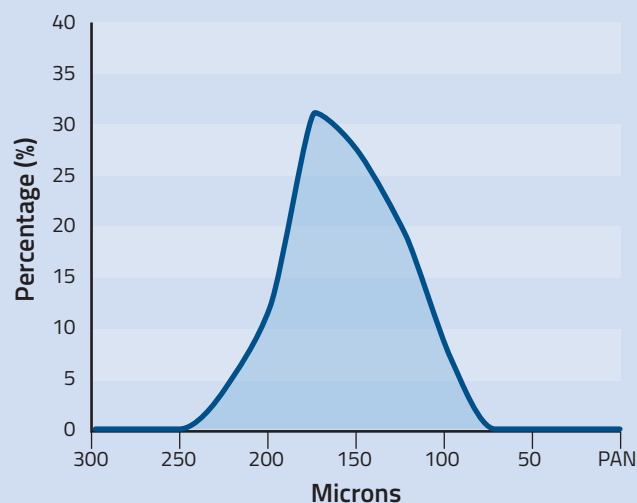
✉ garnet@burwell.com.au

☎ 1300 287 935

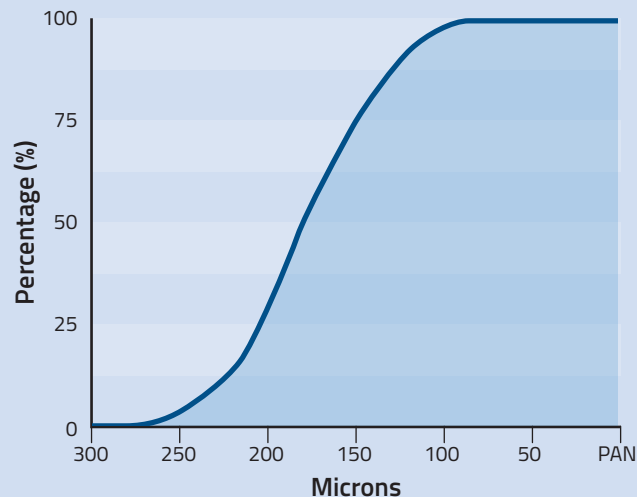
or visit www.burwell.com.au

Typical Particle Sizing

Discrete % of Particle Retained



Cumulative % of Particle Retained



Product Packaging:

- 25kg paper bags
- 1 Tonne Bulk bags
- 2 Tonne Bulk Bags.

Product Source: Australia