

# PRODUCT DATA SHEET

# 20/40 MESH

## Typical Chemical Analysis

ELEMENT	PRESENTING AS	CONC. %
Silica*	SiO <sub>2</sub>	37%
Iron	Fe <sub>2</sub> O <sub>3</sub>	34%
Alumina	Al <sub>2</sub> O <sub>3</sub>	21%
Magnesium	MgO	6%
Calcium	CaO	1%
Manganese	MnO	1%
Titanium	TiO <sub>2</sub>	0.1%
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	4.7
Bulk Density	2.4 T/m <sup>3</sup>
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 <sub>3</sub> Al <sub>2</sub> (SiO <sub>4</sub> ) <sub>3</sub>	≥ 97%
Ilmenite	FeTiO <sub>3</sub>	≤ 2%
Zircon	ZrSiO <sub>4</sub>	< 0.1%
Crystalline Silica (free)	SiO <sub>2</sub>	< 0.1%
Other		< 1%

National Distributor:

**BURWELL**  
TECHNOLOGIES

Contact the Burwell sales team

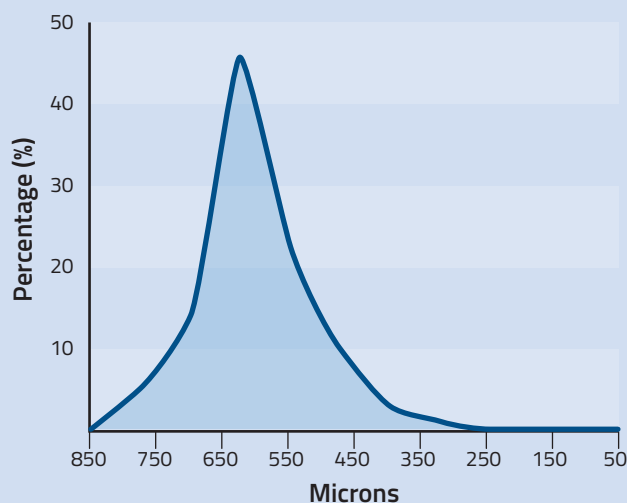
✉ garnet@burwell.com.au

☎ 1300 287 935

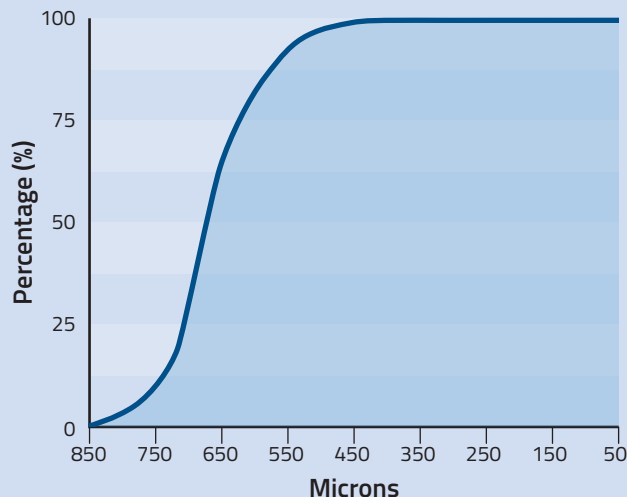
or visit [www.burwell.com.au](http://www.burwell.com.au)

## 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