PRODUCT DATA SHEET
80 MESH

AUSTRALIAN GARNET
PREMIUM ABRASIVE

Typical Chemical Analysis

ELEMENT	PRESENTING AS	CONC. %
Silica*	SiO_2	36%
Iron	$Fe2O_3$	31%
Alumina	$Al2O_3$	20%
Magnesium	MgO	6%
Calcium	CaO	4%
Manganese	MnO	1%
Titanium	TiO_2	1%
Chlorides^	Cl-	10-20pmm

** 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	4.3
Bulk Density	2.0 T/m³
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)	$Fe_3Al_2(SiO_4)_3$	≥ 96%
Ilmenite	$FeTiO_3$	≤ 3%
Zircon	$ZrSiO_4$	< 0.1%
Crystalline Silica (free)	SiO_2	< 0.1%
Other		< 1%

National Distributor:

BURWELL TECHNOLOGIES

Contact the Burwell sales team

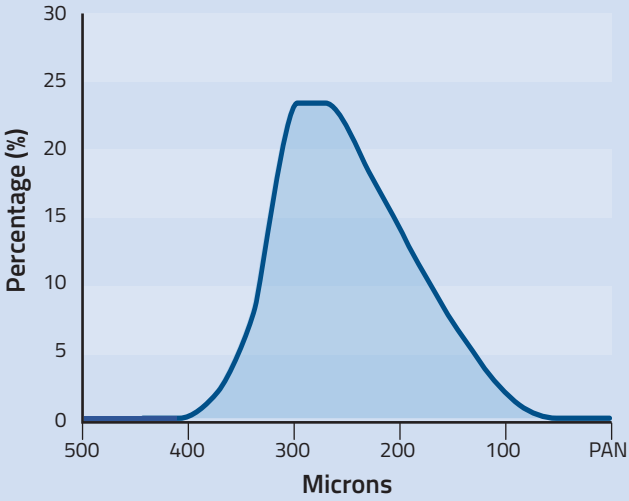
garnet@burwell.com.au

1300 287 935

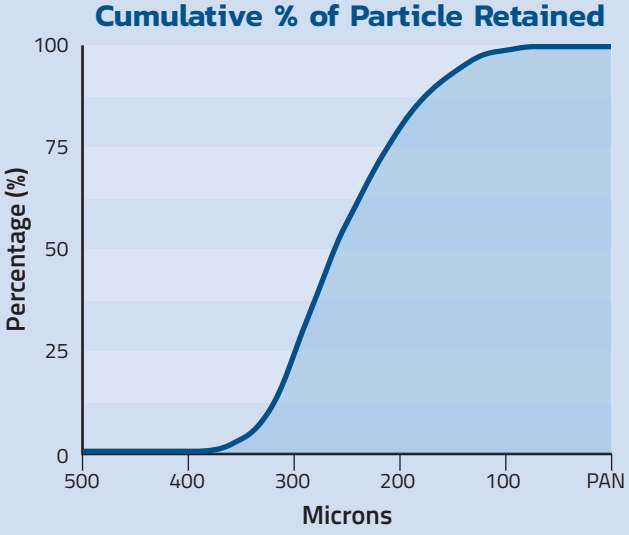
or visit www.burwell.com.au

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