

# Product Data Sheet

## GMA ClassicCut™ 80



### Average Chemical Composition (Typical)

SiO <sub>2</sub> *	36%
Al <sub>2</sub> O <sub>3</sub>	20%
FeO	30%
Fe <sub>2</sub> O <sub>3</sub>	2%
MgO	6%
CaO	2%
TiO <sub>2</sub>	3%
MnO	1%

\*Refers to SiO<sub>2</sub> bound within the lattice of the homogeneous garnet crystal (not free silica)

### Mineral Composition (Typical)

Garnet (predominately Almandine)	> 96%
Ilmenite	< 4.0%
Zircon	< 0.2%
Quartz (free silica)	< 0.1%

### Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
40	425	0	0
45	355	3	3
50	300	23	20
60	250	55	32
70	212	78	23
80	180	92	14
100	150	98	6
PAN	PAN	100	2

### Physical Characteristics (Typical)

Bulk Density	2.3 T/m <sup>3</sup>
Specific Gravity	4.1
Hardness (Mohs)	7.0 – 8.0
Melting Point	1250°C / 2250°F
Shape of Natural Grains	Sub-Angular

### Other Characteristics (Typical)

Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	10 – 20 ppm
Conductivity	100 – 150 µS/cm (10 – 15 mS/m)

### Packaging

- 25kg bags shrink wrapped onto a 1 metric ton or 2 metric ton pallet
- Loose bulk form in 1 metric ton or 2 metric ton bulk bag with an inner plastic liner on a pallet.

### Source

- Made in Australia
- Product Code: GMA-AUS 80

PDS Code: GMA-AUS 80 – V1-2020