

Product Data Sheet

GMA ClassicCut™ 50



Average Chemical Composition (Typical)

SiO ₂ *	37%
Al ₂ O ₃	21%
FeO	30%
Fe ₂ O ₃	2%
MgO	6%
CaO	2%
TiO ₂	1%
MnO	1%

*Refers to SiO₂ bound within the lattice of the homogeneous garnet crystal (not free silica)

Mineral Composition (Typical)

Garnet (predominately Almandine)	> 97%
Ilmenite	< 1.5%
Zircon	< 0.1%
Quartz (free silica)	< 0.1%

Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
30	600	0	0
35	500	1	1
40	425	14	13
45	355	40	26
50	300	75	35
60	250	90	15
70	212	96	6
80	180	99	3
100	150	99.8	1
PAN	PAN	100	0

Physical Characteristics (Typical)

Bulk Density	2.3 T/m ³
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 50

PDS Code: GMA-AUS 50 – V1-2020