

# Product Data Sheet

## GMA PremiumBlast™



### Average Chemical Composition (Typical)

SiO <sub>2</sub> *	37%
Al <sub>2</sub> O <sub>3</sub>	21%
FeO	30%
Fe <sub>2</sub> O <sub>3</sub>	2%
MgO	6%
CaO	2%
TiO <sub>2</sub>	1%
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)	> 97%
Ilmenite	< 1.5%
Zircon	< 0.1%
Quartz (free silica)	< 0.1%

### Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
30	600	1	1
35	500	4	3
40	425	15	11
45	355	37	22
50	300	59	22
60	250	80	21
70	212	92	12
80	180	97	5
100	150	99	2
PAN	PAN	100	1

### 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

- Product of Australia
- Product Code: GMA-AUS 30/60

PDS Code: GMA-AUS 30/60 V1-2020