

# Product Data Sheet

## GMA Newsteel™



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>	2%
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)	97-98%
Ilmenite	2%
Zircon	0.04%
Quartz (free silica)	< 0.1%

Product Range (typical weight % retained)			
Mesh	Microns	Cumulative	Discrete
40	425	2	2
45	355	4	2
50	300	8	4
60	250	25	17
70	212	57	32
80	180	84	27
100	150	96	12
PAN	PAN	100	4

Physical Characteristics (Typical)	
Bulk Density	2.3 T/m <sup>3</sup>
Specific Gravity	4.1
Hardness (Mohs)	7.5-8
Melting Point	1250°C
Shape of Natural Grains	Sub-Angular

Other Characteristics (Typical)	
Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	10-15 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 NS

PDS Code: GMA-AUS-NS V1-2019