

Product Data Sheet

GMA Ilmenite



Average Chemical Composition (Typical)		
SiO ₂*	.....	2%
Al ₂ O ₃	.....	1%
FeO	.....	33%
Fe ₂ O ₃	.....	10%
MgO	.....	1%
CaO	.....	1%
TiO ₂	.....	51%
MnO	.....	1%

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

Mineral Composition (Typical)		
Ilmenite	.....	> 86%
Garnet (predominately Almandine)	.....	< 7.0%
Rutile Group	.....	< 5.0%
Quartz (free silica)	.....	< 1.0%

Product Range (typical weight % retained)			
Mesh	Microns	Cumulative	Discrete
50	300	1	1
60	250	5	3
70	212	16	11
80	180	38	22
100	150	72	35
120	125	93	21
140	106	98	5
PAN	PAN	100	2

Physical Characteristics (Typical)	
Bulk Density	2.5 - 2.9 t/m ³
Specific Gravity	4.5 - 4.7
Hardness (Mohs)	NA
Melting Point	1000°C
PH	9.0 - 9.5

Other Characteristics (Typical)	
Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	10-25 ppm
Conductivity	100-200 μS/cm (10-20 mS/m)

Packaging

- Loose bulk

Source

- Product of Australia
- Product Code: GMA-AUS Ilmenite.