

Product Data Sheet

GMA ClassicCut™ 80



Average Chemical Composition (Typical)

SiO ₂ *	36%
Al ₂ O ₃	20%
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)

Physical Characteristics (Typical)

Bulk Density	156 lbs/ft ³ (2.5 t/m ³)
Specific Gravity	4.1
Hardness (moh)	7.5 – 8.0
Melting Point	2282°F (1250°C)
Shape of Natural Grains	Sub-angular

Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
45	355	2	2
50	300	10	8
60	250	40	30
70	212	78	38
80	180	96	18
100	125	100	4
PAN	PAN	100	0

Mineral Composition (Typical)

Garnet (predominately Almandine)	93%
Pyroxene	5%
Ilmenite	1%
Quartz (free silica)	<0.1%
Others	<0.5%

Other Characteristics (Typical)

Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	1-3 ppm
Conductivity	<50 μS/cm (<5 mS/m)

*Tested in accordance to ISO and ASTM standards.

Packaging

- 55 lb. (25 kg) paper bags on 1 metric ton or 2 metric ton pallet
- 1 metric ton or 2 metric ton bulk bags with bottom spout and an inner plastic liner
- Loose bulk delivered by pneumatic truck.

Source

- Made in USA from imported raw materials
- Product code: GMA-USA-80
- Product specification: 80 Mesh Garnet.

PDS Code: GMA-USA-80 PDS-V1-2018-08