

Product Data Sheet

GMA ExcelCut™ 50



Average Chemical Composition (Typical)

SiO ₂ *	33%
Al ₂ O ₃	17%
FeO	NA
Fe ₂ O ₃	35%
MgO	7%
CaO	5%
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	143.58 lbs/ft ³ (2.3 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
35	500	0	0
40	425	10	10
45	355	44	34
50	300	75	31
60	250	94	19
70	212	98	4
80	180	99	1
PAN	PAN	100	1

Mineral Composition (Typical)

Garnet (predominately Almandine)	91%
Pyroxene	3%
Ilmenite	<1%
Quartz (free silica)	<0.2%
Hornblende	1%
Others	1%

Other Characteristics (Typical)

Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	1-2 ppm
Conductivity	46 µS/cm (4.6 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
- Product code: GMX-USA-50
- Product specification: 50 Mesh Garnet.

PDS Code: GMA-USA-50 PDS-V1-2018-08