

# Product Data Sheet

## GMA ExcelCut™ 50



Average Chemical Composition (Typical)		
SiO <sub>2</sub> *	.....	33%
Al <sub>2</sub> O <sub>3</sub>	.....	17%
FeO	.....	NA
Fe <sub>2</sub> O <sub>3</sub>	.....	35%
MgO	.....	7%
CaO	.....	5%
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)	.....	91%
Pyroxene	.....	3%
Ilmenite	.....	<1%
Quartz (free silica)	.....	<0.2%
Hornblende	.....	1%
Others	.....	1%

Physical Characteristics (Typical)	
Bulk Density	143.58 lbs/ft <sup>3</sup> (2.3 t/m <sup>3</sup> )
Specific Gravity	4.1
Hardness (moh)	7.5 – 8.0
Melting Point	2282°F (1250°C)
Shape of Natural Grains	Sub-angular

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.

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

### 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