

# Product Data Sheet

## GMA ExcelCut™ 80



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	.....	8%
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)	.....	90%
Pyroxene	.....	4%
Ilmenite	.....	<1%
Quartz (free silica)	.....	0.1%
Hornblende	.....	3%
Rutile	.....	<1%
Others	.....	2%

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
40	425	0	0
45	355	3	3
50	300	24	21
60	250	62	38
70	212	81	19
80	180	92	11
100	150	98	6
PAN	PAN	100	2

### 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-80
- Product specification: 80 Mesh Garnet.

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