

# Product Data Sheet

## GMA ProCut™ 60



### Average Chemical Composition (Typical)

SiO <sub>2</sub> *	35%
Al <sub>2</sub> O <sub>3</sub>	18%
FeO	15%
Fe <sub>2</sub> O <sub>3</sub>	19%
MgO	7%
CaO	3%
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)	93%
Pyroxene	3%
Ilmenite	<0.8%
Hornblende	2%
Quartz (free silica)	0.15%
Others	<0.5%

### Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
30	600	0	0
35	500	1	1
40	425	5	4
45	355	15	10
50	300	31	16
60	250	58	27
70	212	87	29
80	180	99	12
140	106	100	1
PAN	PAN	100	0

### Physical Characteristics (Typical)

Bulk Density	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 to Angular

### Other Characteristics (Typical)

Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	1-3 ppm
Conductivity	101.7 μS/cm (10.2 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-60
- Product specification: 60 Mesh Garnet.

PDS Code: GMAX-USA-60 PDS-V1-2018-08