

Product Data Sheet

GMA MicroCut™ 220



Average Chemical Composition (Typical)

SiO ₂ *	37%
Al ₂ O ₃	20%
FeO	NA
Fe ₂ O ₃	33%
MgO	6%
CaO	2%
TiO ₂	2%
MnO	0.9%

*Refers to SiO₂ bound within the lattice of the homogeneous garnet crystal (not free silica)

Mineral Composition (Typical)

Garnet (predominately Almandine)	97%
Pyroxene	1%
Ilmenite	1%
Hornblende	<1%
Quartz (free silica)	<0.1%

Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
70	212	0	0
80	180	2	2
100	150	26	24
120	125	47	21
140	103	63	16
200	75	87	24
270	53	99	12
325	45	100	1
PAN	PAN	100	0

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

Other Characteristics (Typical)

Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	1-3 ppm
Conductivity	114 μS/cm (11.4 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-220
- Product specification: 220 Mesh Garnet.