

Product Data Sheet

GMA ToughBlast™



Average Chemical Composition (Typical)	
SiO ₂ *	36%
Al ₂ O ₃	19%
FeO	24%
Fe ₂ O ₃	8%
MgO	6%
CaO	3%
TiO ₂	1%
MnO	1%

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

Product Range (typical weight % retained)			
Mesh	Microns	Cumulative	Discrete
16	1190	1	1
18	1000	2	1
20	850	5	3
25	710	10	5
30	600	16	6
35	500	21	5
40	425	23	2
45	355	26	3
50	300	36	10
60	250	62	26
70	212	88	26
80	180	98	10
100	150	100	2
PAN	PAN	100	0

PDS Code: GMAX-USA-GX2 PDS-V2-2019-03

Other Characteristics (Typical)	
Radioactivity	Non-detectable above background
Moisture Absorption	Non-hygroscopic, Inert
Total Chlorides	1 – 3 ppm
Conductivity	10 mS/m (100 μS/cm)

*Tested in accordance to ISO and ASTM standards.

Mineral Composition (Typical)	
Garnet (predominately Almandine)	>92%
Pyroxene	4%
Ilmenite	1%
Quartz (free silica)	<0.1%
Hornblende	<2%
Others	<0.5%

Physical Characteristics (Typical)	
Bulk Density	149.82 lbs/ft ³ (2.4 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 to Angular

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: GMAX-USA-GX2.
- Product specification: GX2 Garnet.