

# Product Data Sheet

GMA ToughBlast™



## Average Chemical Composition (Typical)

SiO <sub>2</sub> *	36%
Al <sub>2</sub> O <sub>3</sub>	19%
FeO	24%
Fe <sub>2</sub> O <sub>3</sub>	8%
MgO	6%
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).

## Product Range (typical weight % retained)

Mesh	Microns	Cumulative	Discrete
16	1190	1	0
18	1000	2	1
20	850	4	2
25	710	6	3
30	600	16	10
35	500	21	5
40	425	27	6
45	355	31	4
50	300	37	6
60	250	57	20
70	212	84	27
80	180	97	13
100	150	100	3
PAN	PAN	100	0

## 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 <sup>3</sup> (2.4 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

### 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.

PDS Code: GMAX-USA-GX2 PDS-V1-2018-08