

# GMA Garnet

Quality Processed Garnet



## Fine Product Data Sheet

### Average Chemical Composition (Typical)

SiO <sub>2</sub> *	34%
Al <sub>2</sub> O <sub>3</sub>	19%
FeO	32%
Fe <sub>2</sub> O <sub>3</sub>	3%
TiO <sub>2</sub>	1%
MnO	1%
CaO	2%
MgO	6%

\* Refers to SiO<sub>2</sub> bound within the lattice of the homogeneous garnet crystal (not free silica)

### Physical Characteristics (Typical)

Bulk Density	2.2T/m <sup>3</sup>
Specific Gravity	4.1
Hardness (moh)	7.50-8.0
Melting Point	1250°C
Shape of grains	angular - sharp

### Other Characteristics (Typical)

Radioactivity	..Not detectable above background
Moisture Absorption	..... Non-hygroscopic, Inert
Total Chlorides	..... <0.005%

### Mineral Composition (Typical)

Garnet (Almandine)	96-97%
Ilmenite	<2%
Quartz (free silica)	<0.5%
Others	<2%

### Product Range (Typical Sizing)

US	SIEVE	GMA Fine Abrasive (200 Mesh)	GMA Super Fine Abrasive (350 Mesh)
		(cumulative wt% retained)	
mesh	microns		
70	212	0	
80	180	<2	
100	150	20	0
120	125	55	<2
140	106	75	6
170	90	90	25
200	75	97	60
230	63	99	73
270	53	100	95
325	45		99
400	38		100

### Standard Packing

- \* 40 x 25kg paper bags shrinkwrapped on 1 MT pallets
- \* 1,000kg top and bottom spouted bulk bags with internal PVC liner
- \* 2,000kg top and bottom spouted bulk bags with internal PVC liner
- \* Other packing on request.

The information set forth herein is based on technical data believed to be indicative; it is intended for use by persons having technical skills and at their own discretion and risk. Since conditions of use are outside our control, the GMA Garnet Group makes no warranties, express or implied concerning the use or disposal of this and assumes no liability in connection with use of this information.

**GMA GARNET (EUROPE) GmbH, Hamburg - Germany**

email: info@gma-garnet.de ; tel: 040/301490

**www.GARNETsales.com**