

# GMA Garnet 25/40

## Your Coarsest Grade for Extreme Jobs



Description	Industry Applications
High performance abrasive for heavy industrial maintenance. Effective removal of specialized high build coatings (such as TSA and coal tar enamel coatings) of 750+ microns.	Oil & Gas (Onshore/Offshore), Shipyards, Bridges, Military, Tank Chemical Liners

Product Performance (Typical)	
Profile	75 - 125 $\mu\text{m}$
Blasting Rate	Up to 18 $\text{m}^2/\text{hr}$
Consumption Rate	15 - 20 $\text{kg}/\text{m}^2$

Average Chemical Composition (Typical)	
$\text{SiO}_2$	37%
$\text{Al}_2\text{O}_3$	21%
$\text{Fe}_2\text{O}_3$	35%
$\text{MgO}$	6%
$\text{CaO}$	2%
$\text{TiO}_2$	1%
$\text{MnO}$	1%

Mineral Composition (Typical)	
Garnet (predominately Almandine)	>97%
Ilmenite	<2%
Quartz (free silica)	<0.1%
Other	<1%

Physical Characteristics (Typical)	
Bulk Density	2.3 $\text{t}/\text{m}^3$
Specific Gravity	4.1
Hardness (Mohs)	7.5 - 8.0
Melting Point	1250°C / 2250°F
Shape of Natural Grains	Sub-Angular

Other Characteristics (Typical)	
Radioactivity	Non-detactable above background
Moisture Absorption	Non-hygrosopic, Inert
Total Chlorides	10 - 18 ppm
Conductivity	100 - 150 $\mu\text{S}/\text{cm}$ (10 - 15 $\text{mS}/\text{m}$ )

### Packaging

- 25 kg bags shrink wrapped onto a 1 metric ton or 2 metric ton pallet
- Loose bulk form in 2 metric ton bulk bag with an inner plastic liner on a pallet

### Source

- Product of Australia
- Product Code: GMA-AUS-25/40

### Saudi Aramco SAMS Number

- 1000160377