

# GMA ClassicCut™ 120 Mesh

The World's Most Popular Waterjet Abrasive



Description	Industry Applications
The high-precision garnet abrasive for waterjet cutting with high edge quality and accuracy on delicate or tight tolerance parts.	Glass cutting, Ceramics, Medical devices, Aerospace, Automotive, Defence, Plastic cutting, Electronics, Precious Metals, Composites cutting

Product Performance (Typical)	
Focusing Tube	0.508 - 0.762 mm
Orifice	0.178 - 0.254 mm

Average Chemical Composition (Typical)	
SiO <sub>2</sub>	35%
Al <sub>2</sub> O <sub>3</sub>	20%
Fe <sub>2</sub> O <sub>3</sub>	35%
MgO	6%
CaO	2%
TiO <sub>2</sub>	4%
MnO	1%

Mineral Composition (Typical)	
Garnet (predominately Almandine)	>96%
Ilmenite	<3%
Quartz (free silica)	<0.1%
Other	<1%

Physical Characteristics (Typical)	
Bulk Density	2.3 t/m <sup>3</sup>
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

## 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-CC-120