



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: *Garnet* Mac'Ants Group Ref: **GAR**

Product: Almandine Garnet Abrasive

Description: Typically an Indian Garnet Mineral

Application: An ever popular expendable abrasive media offering a cleaner application than traditional expendables.

Chemical Composition:

Compound	Chemical Formula	Typical Content %
Silicon Dioxide (amorphous)	SiO ₂	36.1%
Aluminium Oxide	Al ₂ O ₃	20.4%
Iron Oxide	FeO	29.8%
Iron III Oxide	Fe ₂ O ₃	1.8%
Titanium Oxide	TiO ₂	1.8%
Manganese Oxide	MnO	1.05%
Calcium Oxide	CaO	1.55%
Magnesium Oxide	MgO	6.0%

Physical Parameters:

Bulk Density	2.38 g/cc
Shape	Semi Angular (Sharp)
Colour	Red – Deep Ruby
Specific Gravity	4.1 g/cc
Hardness	8 moh

Gradation:

12/25, 2040, 3060, 80 Blasting and 120 Blasting and waterjet. 80 Waterjet by separate analysis.

Packaging:

Typically 25 kg paper sacks, or jumbo 1MT big bags.

Compliance:

This product is exempt for registration under REACH regulations.

Page: 1-6-2
Issue: 2
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