



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: **Garnet**

Mac'Ants Group Ref: **GAR80**

Product: Almandine Garnet Abrasive

Description: Typically an Indian Garnet Mineral

Application: An ever popular expendable abrasive media offering a cleaner application than traditional expendables. Also used in 80# format as a high pressure water cutting media with tolerances as specified below.

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:

GAR80 ; 0% +425 micron
<35% +300 micron
15-25%+250
40-60%+212
15-25%+180
5-10% -180 micron

Packaging:

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

Compliance:

This product is exempt for registration under REACH regulations.

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