



Abrasives, Electro Minerals & Metals

TECHNICAL DATA

Brand Name: **Garnet Oz80#**

Mac'Ants Group Ref: **OZI80**

Product: **Almandine Garnet Abrasive**

Description: Premium Quality Garnet Mineral

Application: A tightly graded 80# media with specified tolerances as defined below, offering exceptional cutting rates and consistent quality and high flow rates, ideal for water jet applications. Typical consumption rates of 250g / min as a minimum.

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:

OZI80 ; 0% +425 micron
<2% +355 micron
<20% +300 micron
>50%+250
>85%+212
>95%+180
>99% +150 micron

Packaging:

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

Compliance:

This product is exempt for registration under REACH regulation.

Page: 1-6-5

Issue: 4

Date: Apr 2011

Document Status: ~~Controlled~~ / **Uncontrolled**

Mac'Ants Group, Todwick Road, Dinnington, Sheffield S25 3SE UK
Tel: +44 (0) 1909 552500 Fax: +44 (0) 1909 568726
Email: group@macants.co.uk www.macants.co.uk