

# Garnet 80

## PHYSICAL PROPERTIES

1/ Bulk density	2.34
2/ Specific Gravity	4.10
3/ Hardness Moh's	7.5 - 8
4/ Melting point	1250 Celcius
5/ Conductivity	<15m.S/m
6/ Chloride	<20ppm
7/ PH	7
8/ Grain Shape	Sharp angular

## CHEMICAL COMPOSITION

SiO <sub>2</sub>	31.00% no free silica
Al <sub>2</sub> O <sub>3</sub>	21.60%
FeO	37.00%
MgO	7.40%
TiO <sub>2</sub>	0.55%
MnO	0.53%
CaO	1.84%
Cr <sub>2</sub> O <sub>3</sub>	0.05%
P <sub>2</sub> O	0.03%

## MINERAL COMPOSITION

Almandite Garnet	97 - 99%
Ilmenite	<2%
Quartz	<1%
Othe	<1%

## WRAPPING

A - 25 kg bags packed in big bags

B - Big bags with plastic inner liner

## WATER CUTTING PARAMETERS

Focusing tube 0,76  
mm

Orifice size 0,25  
mm

POWERGarnet consumption >250 gram / min.

Can also be used for general cutting with 1mm

focusing tube

## SIEVE ANALYSIS

MESH	MM	RETAINED %	PASSING %
40	0.420	00.00	100.00
50	0.297	00.90	99.10
60	0.250	27.50	71.60
70	0.210	30.60	41.00
80	0.177	29.50	11.50
-80		11.50	00.00

THE DATA ABOVE CONTAINS GENERAL INFORMATION

AND DESCRIBES TYPICAL PROPERTIES ONLY.