

PRODUCT INFORMATION

GARNET, THE NATURAL ABRASIVE

Description: Garnet is a totally natural Waterjet-cutting abrasive.

Garnet consists of Almandite garnet grains, which are among the hardest and toughest minerals known. Shape: sub angular

Applications: Waterjet-cutting, Sandblasting



SIEVING RANGES

Water jet sizings (Typical):		Sandblasting size (typical):	
mesh	my	mesh	my
80	150-300	30	200-600
120	100-200	60	200-600

CHEMICAL COMPOSITION

SiO ₂	36%	TiO ₂	1%
Al ₂ O ₃	20%	MnO	1%
FeO	30%	CaO	2%
Fe ₂ O ₃	2%	MgO	6%

MINERAL COMPOSITION (TYPICAL)

Garnet	97 - 98%
Ilmenite	1 - 2%
Zircon	< 0,2%
Quartz (free silica)	< 0,5%
Others	< 0,25%

TECHNICAL DATA

Specific weight	approx. 4,10
Bulk density	4,10
Hardness according to Mohs:	7,5 - 8
Melting point :	1250 °C
Packaging:	80x25 kg paper bags shrinkwrapped to 2 MT pallets 1MT and 2 MT Big bags