

TECHNICAL DATA SHEET

PRODUCT: PINK GARNET SAND

SIZE: 30-60

Pink garnet sand is a type of garnet abrasive that has been deposited into rivers through natural weather processes.

AVERAGE CHEMICAL COMPOSITION(TYPICAL)

SiO ₂	34-40%
Al ₂ O ₃	19-21%
FeO+Fe ₂ O ₃	28-33%
Fe ₂ O ₃	26.46%
MnO	0-1%
CaO	1-2%
MgO	0-1%

MINERAL COMPOSITION(TYPICAL)

Garnet	≥97.5%
Ilmenite	≤1.0%
Quartz	≤0.2%
Feldspar	≤0.5%

PHYSICAL CHARACTRTISTICS(TYPICAL)

Bulk Density	1.9-2.4g/cm ³
Specific Gravity	3.9-4.1g/cm ³
Mohs Hardness	7.5-8.0
Melting Point	1300°C
Grain Shape	Sharp Angular
Total Chlorides	<25PPM
Acid Solubility(HCL)	<1%
Conductivity	<25ms/m
Toxic substance	none

PACKAGING

1 Ton Bulk Jumbo Bag
40 X 25 Kg PP bags packed in to 1 Ton Bag

PARTICLE SIZE DISTRIBUTION

mesh	microns	retained %
+30	600um	0
+40	425um	0-10
+50	300um	45-60
+60	250um	10-25
+80	180um	5-20
+100	150um	0-1

MAIN APPLICATIONS

Water filtration media /Sand blasting /Water jet cutting abrasive