



Dakshinak Minerals LLP

Plot No.11, 4th Floor, The Mahaveer Water
Mark, Kondapur, Ranga Reddy District
Hyderabad 500084, Telangana State, India.

Web : www.dakshinak.com
Email : sales@dakshinak.com



DK - GARNET

Sand Blasting Grade 20/40 Mesh

Chemical Composition (Typical)

Name of Chemical	%
SiO ₂	34.82
Al ₂ O ₃	21.12
Fe ₂ O ₃	33.34
MgO	7.12
CaO	1.21
TiO ₂	0.91

Mineralogical Analysis

Minerals	%
Garnet	99.50
Ilmenite	0.30
Free Silica	0.20

Particle Size Analysis

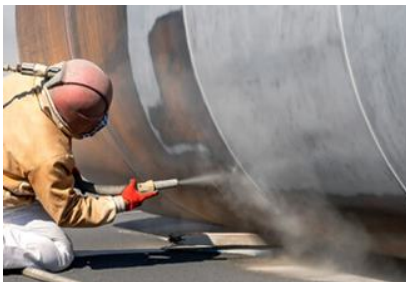
Mesh	MM	Retained %
16	1.180	1.22
20	0.850	30.24
30	0.600	57.25
40	0.425	10.24
Pan		1.05

Physical Parameters

Parameters	Typical
Conductivity	156 µS/cm
Chloride	19.23 ppm
Suspended Solid	4250 mg/l
Specific Gravity	4.10
Bulk Density	2.37 g/cm ³
Moisture	0.10%
Hardness	7.5 Moh Scale
Colour	Pink

Applications / Uses

1. Surface Preparation
2. Sand Blasting



*DK Garnet sand is a natural product and hence it may be slightly varied in the chemical analysis content and particle size distribution expected

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DK - GARNET

Sand Blasting Grade 30/60 Mesh

Chemical Composition (Typical)

Name of Chemical	%
SiO ₂	36.40
Al ₂ O ₃	20.17
Fe ₂ O ₃	30.38
MgO	7.12
CaO	1.21
TiO ₂	1.18

Mineralogical Analysis

Minerals	%
Garnet	99.30
Ilmenite	0.40
Free Silica	0.30

Particle Size Analysis

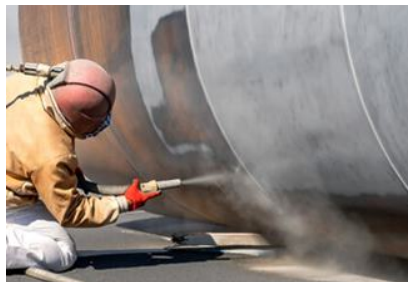
Mesh	MM	Retained %
20	0.850	0.65
30	0.600	7.64
40	0.425	61.08
50	0.300	20.32
60	0.250	6.14
Pan		4.17

Physical Parameters

Parameters	Typical
Conductivity	112 µS/cm
Chloride	13.12 ppm
Suspended Solid	1430 mg/l
Specific Gravity	4.10
Bulk Density	2.38 g/cm ³
Moisture	0.08%
Hardness	7.5 Moh Scale
Colour	Pink

Applications / Uses

1. Surface Preparation
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DK - GARNET Waterjet Grade 80 Mesh

Particle Size Analysis		
Mesh	MM	Retained %
40	0.425	0.04
50	0.300	2.64
60	0.250	18.50
80	0.180	60.22
100	0.150	15.38
Pan		3.22

Chemical Composition (Typical)	
Name of Chemical	%
SiO ₂	34.32
Al ₂ O ₃	20.14
Fe ₂ O ₃	33.48
MgO	7.34
CaO	1.30
TiO ₂	1.32

Mineralogical Analysis	
Minerals	%
Garnet	98.80
Ilmenite	0.72
Free Silica	0.48

Physical Parameters	
Parameters	Typical
Specific Gravity	4.10
Conductivity	116 µS/cm
Chloride	14.95 ppm
Suspended Solid	1510 mg/l
Bulk Density	2.39 g/cm ³
Moisture	0.13 %
Hardness	7.5 Moh Scale
Colour	Pink

Applications / Uses

1. Water Jet cutting
2. Surface Preparation
3. Glass Polishing



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DK - GARNET

Waterjet Grade 120 Mesh

Chemical Composition (Typical)

Name of Chemical	%
SiO ₂	34.48
Al ₂ O ₃	21.26
Fe ₂ O ₃	33.68
MgO	7.28
CaO	1.32
TiO ₂	1.52

Mineralogical Analysis

Minerals	%
Garnet	98.18
Free Silica	0.54
Ilmenite	1.28

Particle Size Analysis

Mesh	MM	Retained %
60	0.250	0.22
80	0.180	9.74
100	0.150	35.94
120	0.125	40.52
140	0.106	12.24
Pan		1.34

Physical Parameters

Parameters	Typical
Conductivity	125 µS/cm
Chloride	16.25 ppm
Suspended Solid	1840 mg/l
Specific Gravity	4.10
Bulk Density	2.38 g/cm ³
Moisture	0.16 %
Hardness	7.5 Moh Scale
Colour	Pink

Applications / Uses

1. Water Jet cutting
2. Surface Preparation
3. Glass Polishing



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