

SEVEN STAR INDUSTRIES,



Brand: CAPTAIN

1. ABRASIVE GARNET SAND

Mesh sizes available: 10-20, 20-40, 30-60, 80 and 120

Hardness on Mohs scale: 7-7.5

Color: Reddish

Uses: Sand blasting and water jet cutting

Properties: Fast-cutting, low-dust producing and low consuming excellent for removing tough coatings like paints, rust and mill scale from steel.

Packing: 25 kg or 50 kg HDPE Bag or 1 MT Jumbo Bag or as per client request

Chemical Analysis:

Constituent	% by wt.
Alumina (Al ₂ O ₃)	21
Iron (Fe ₂ O ₃)	31
Silica (SiO ₂)	35
Magnesium (MgO)	8
Calcium (CaO)	1.5
Titanium (TiO ₂)	1.0
Lead (P ₂ O ₅)	0.05
Manganese (MnO)	0.5
Zircon (ZrO ₂)	Traces
Chloride Content	Less than 50 ppm
Soluble salts	Less than 100 ppm
Ph of aqueous medium	6.93
Gypsum content	Nil
Moisture content	Less than 0.5%
Carbonate content	Traces
Loss on ignition	Nil
Metal Content	Traces



2. QUARTZ SILICA SAND

We manufacture two qualities:

1. Super Snow white: SiO₂ percentage is 99.6% and above
2. Semi-white: SiO₂ percentage is around 99%

Mesh Sizes: 8-16, 16-30, 30-80, 150, 200

Packing: 25kg or 50 kg HDPE Bags or 1 MT Jumbo Bags or as per client request

Hardness on Mohs scale: 5 to 6

Uses: Glass industry, Steel industry, Sanitary ware, Construction Chemicals, Aerospace Industry

Chemical Analysis:

Chemical Composition

Constituents	% by wgt
SiO ₂	99.20
Al ₂ O ₃	0.18
Free Iron	0.01
Fe ₂ O ₃	0.02
CaCO ₃	0.25
Cl	Absent
Loss of Ignition	0.25 by wet
Specific Gravity	3.05 gm/cc



Snow white



Semi white

3. NATURAL EMERY GRAINS

Mesh sizes available: 4 to 1000

Hardness on Mohs scale: 8

Color: Black

Packing: 25 kg or 50 kg HDPE Bags or 1 MT Jumbo Bags or as per client request

Uses: Construction Chemicals, Rice Mill stones, Abrasive Blasting, Dehusking, Coated Abrasives, deburring and descaling, fire bricks production

Chemical Analysis:

Chemical Composition

Constituents	% by wt.
SiO ₂	16.03
TiO ₂	0.96
Fe ₂ O ₃	2.69
CaO	1.13
MgO	1.05
Na ₂ O	1.10
K ₂ O	0.06
L.O.I.	0.05

Natural Emery Grains



4. SILICA SAND

We manufacture different grades as follows:

1. Casting and Foundry Grade
2. Oilfield/Drilling Grade
3. Glass Grade
4. Ceramic Grade

Mesh Sizes: 8-16, 16-30, 30-80, 150, 200

Packing: 25kg or 50 kg HDPE Bags or 1.4 MT Jumbo Bags or as per client request

Hardness on Mohs scale: 5 to 6

Uses: Glass industry, Steel industry, Sanitary ware, Construction Chemicals, Oil Drilling, Casting and Foundry

Chemical Analysis:

Chemical Composition

Constituents	% by wgt
SiO ₂	99.37
Al ₂ O ₃	0.18
Fe ₂ O ₃	0.18
CaCO ₃	0.27
Cl	Absent
Loss of Ignition	0.25 by wet
Specific Gravity	3.05 gm/cc

5. FUSED SYNTHETIC EMERY GRAINS

Mesh sizes available: 4 to 1000

Color: Black

Hardness on Mohs scale: 8

Packing: 25 kg or 50 kg HDPE Bags or 1 MT Jumbo Bags or as per client request

Uses: Polishing of Bearings, Anti-skid flooring, Emery papers, Mill stones, Blasting

Chemical Analysis:

Chemical Composition

Constituents	% by wt.
AL ₂ O ₃	53.65
SiO ₂	6.83
TiO ₂	3.96
Fe ₂ O ₃	28.69
CaO	2.86
MgO	2.05
Na ₂ O	1.10
K ₂ O	0.06
L.O.I.	0.80
	100.00

Fused Synthetic Emery Grains



6. CHINA CLAY

Mesh sizes available: 4 to 1000 as well as in Lump form

Color: White

Packing: 25 kg or 50 kg HDPE Bags or 1 MT Jumbo Bags or as per client request

Uses: Ceramics, Toothpaste, Cosmetics, Vulcanization of Rubber, Paints

Chemical Analysis:

Chemical Composition

Constituents	% by wt.
Al ₂ O ₃	34 % min
SiO ₂	50% max
Fe ₂ O ₃ + TiO ₂	1.5% max
CaO	0.8% max
MgO	0.5% max
KNaO	1.5% max
L.O.I.	13.5% max
	100.00



China Clay

7. SODIUM AND CALCIUM BENTONITE POWDER AND CLAY

Mesh sizes available: 4 to 1000 as well as in Lump form

Color: Brown

Packing: 25 kg or 50 kg HDPE Bags or 1 MT Jumbo Bags or as per client request

Uses: In drilling mud for oil and gas wells and boreholes for geotechnical and environmental investigations

Chemical Analysis:

Chemical Composition

Performance	Index
Viscometer 600 r/min	30
Yield value, plastic viscosity <=	3
Flitration, cm ³ <=	15.0
75um sieve %	4.0



MANUFACTURING FACILITY

Our plant is located over an area of 30,000 sq. ft. in Jamnagar, Gujarat and is equipped with the following machinery:

1. Jaw crusher
2. Vibrating Feeders
3. Vibrating Screens
4. Magnetic Separator
5. Dust Collector

OUR USP's

1. Superior material quality and grading
2. Durable packing
3. Prompt shipment



Factory Address:

Plot No. 23, Behind Atul Motors Maruti Suzuki Showroom, Hapa Industrial Area, Hapa, Jamnagar-361120 (Gujarat-India)

Nadapa, Bhuj, District: Kutch, Gujarat, India

Tel: +91-288-2570232

Mob: +91-9408987626

Contact Person: Mr. Lloyd George D'Souza, Proprietor

