

Silica Sand

Product Description:

Graded Natural Silica Sand



Properties

Hardness	7 Mohs
Specific Gravity	2.62 – 2.65
Sphericity	0.6-0.7
Silica content	> 98.5 %
Appearance	Granular
Grades	0.4-0.8 mm, 0.5-1 mm, 1-2 mm, 2-5 mm, 3-5 mm

Application:

For removing floc and other suspended solid particles. Also reduces bacteria. Higher sizes are used for filtration bed.

Advantages:

- Suitable for rapid filtration.
- Highly durable material.
- Helps to regulate flow rate and flow direction.

Packing:

1 Ton Jumbo Bag | 25 / 50 kg bag

Quartz

Product Description:

Graded crushed Quartz Sand



Properties

Hardness	7 Mohs
Specific Gravity	2.63-2.66
Silica content	> 99%
Appearance	Semi Angular
Grades	0.4-0.8 mm, 0.5-1 mm, 1-2 mm, 2-5 mm, 3-5mm, 5-10 mm, 10-20 mm

Application:

For removing floc and other suspended solid particles. Also reduces bacteria. Higher sizes are used for filtration bed.

Advantages:

- Suitable for rapid filtration.
- Highly durable material.
- Helps to regulate flow rate and flow direction.

Packing:

1 Ton Jumbo Bag | 25 / 50 kg bag

Pebbles

Product Description:

Graded Gravel / Pebbles



Properties

Hardness	> 7 Mohs
Specific Gravity	2.65
Silica content	> 93 %
Grades	5-8 mm, 8-12 mm, 10-15 mm, 10-20 mm

Application:

For supporting filtration media such as sand filter and anthracite.

Advantages:

- Multiple layers of gravel helps in preventing one-sided flow
- Highly durable material.
- Help to evenly distribute water during backwashing process.

Packing:

1 Ton Jumbo Bag | 25 / 50 kg bag

Garnet

Product Description:

Graded Garnet



Properties

Hardness	7.5 – 8.30 Mohs
Specific Gravity	4.1
Available Grades	0.25-0.6 mm 0.4-0.85 mm

Application:

For removing turbidity and suspended solids. Used along with sand filter and anthracite in multi media filtration.

Advantages:

- The high void percentage helps in removal of turbidity and suspended solids.
- High resistance to chemicals.
- Very high physical strength.

Packing:

1 Ton Jumbo Bag | 25 / 50 kg bag

Anthracite

Product Description:

Crushed and Treated Anthracite



Properties

Hardness	3 Mohs
Specific Gravity	1.65
Fixed Carbon	80 to 95% (As desired)
Grades	0.6-1.5 mm, 1-2.5 mm 2-5mm

Application:

Allows suspended particles to be retained in depth of filter bed.

Used along with sand filter as dual media or multi media filtration.

Advantages:

- Allows higher flow, less pressure drop and a better and faster backwash.
- High resistance to chemicals.
- High physical strength.

Packing:

25 kg bags

Activated Carbon

Product Description:

Crushed and Treated Activated Carbon



Properties

Hardness	2-3 Mohs
Specific Gravity	1.95
Iodine Value	700 to 1000 (As desired)
CTC Value	50
Grades	0.6 - 1.5 mm, 1 - 2.5 mm, 2 - 5 mm

Application:

For removing organic chemicals.

For removing chemicals that impart objectionable odor or taste..

Advantages:

- Undesirable tastes and odors can be effectively removed.
- Effective in removing chlorine and hydrogen sulfide.
- Portable and light weight.

Zeolite

Product Description:

Different grades of Zeolites



Properties

Hardness	3.5 to 4 Mohs
Specific Gravity	2.1 to 2.2
Appearance	Granular

Application:

For removal of ammonia, undesirable cations and heavy metals.

Can be used as substitute to sand filter media owing to the high efficiency and low operating cost.

Advantages:

- Zeolite beds have 1.7 to 1.9 times solids loading capacity and superior filtration when compared to multimedia filtration.
- It is more effective in removal of very fine particles in the range of 5 to 10 microns.

Packing:

1 Ton Jumbo Bag | 25/50 kg bags

Calcium Carbonate

Product Description:

Different grades of calcium carbonate (limestone) aggregates



Properties

Hardness	3 Mohs
Specific Gravity	2.68
Appearance	Granular
CaCO ₃ Content	> 95%
Grades	1-3 mm, 2-5 mm, 5-10 mm

Application:

For increasing pH level of water / basicity of water

Advantages:

- It is an effective and cost effective alkaline product for water treatment
- Ideal for treatment of acidic industrial effluents

Packing:

1 Ton Jumbo Bag | 25 / 50 kg bag

Silica Gel

Product Description:

Silica gel for adsorption of heavy metals



Properties

Hardness	4-5 Mohs
Specific Gravity	2.1
Appearance	Granular

Application:

For removing heavy metals by the process of adsorption

Advantages:

- Inert material, high resistance to chemicals
- Can be regenerated after usage

Packing:

25 kg bags

Product Profile

Molecular Sieve

Product Description:

Graded Molecular Sieve



Properties

Specific Gravity	2.10
pH	8 - 11
Melting Point	> 400 °C
Grades	1.6 - 2.5 mm 3.0 - 5.0 mm

Application:

Suitable for the separation of mixtures of inorganic and organic substances and for the removal of undesired impurities from gases and liquids.

Advantages:

- Suitable for rapid filtration
- Highly durable material
- Helps to regulate flow rate and flow direction

Packing:

1 Ton Jumbo Bag | 25/50 kg bag

Glass Microsphere

Product Description:

Graded Glass Microsphere



Properties

Hardness	≥ 6 Mohs
Specific Gravity	0.32 - 0.61
Melting Point	1475 °C
Grades	0.6 - 0.8 mm

Application:

High performance filter media for single, multi-layer and multi-media filtration at water reclaiming and water treatment systems.

Advantages:

- Fluidization and self-cleaning behavior during back wash
- Highly effective filtering process due to optimal hydraulic conditions
- Highly resistant against disinfection and sterilization agents and regenerants

Packing:

1 Ton Jumbo Bag | 25/50 kg bag

Ceramic Balls

Product Description:

Graded Ceramic Ball free from heavy metals



Properties

Hardness	7 Mohs
Specific Gravity	2.3 - 2.4
SiO ₂ + Al ₂ O ₃	> 92%
Grades	From 3.0 to 50 mm

Application:

Proven effective in the reduction of impurities including carcinogens and heavy metals.

Advantages:

- Effective at removing bacteria and the larger protozoans
- A low one-time cost
- Simplicity of use and acceptability

Packing:

1 Ton Jumbo Bag | 25/50 kg bag

WATER
FILTRATION

SPECIALITY
INDUSTRIES LLC