

# SAND MEDIA

## GENERAL DESCRIPTION

Sand is a naturally occurring granular material composed of finely divided rock and mineral particles. It is defined by size, being finer than gravel and coarser than silt.

## TYPICAL USES

- Glass industry — glass is made from liquid sand rich in silicon dioxide.
- Construction/ Construction Chemicals— ready mix concrete, UHPC, concrete repair products, epoxy filler, epoxy repair product, epoxy primer and anti slip.
- Paint Industry
- Sport — for gulf greens, golf bankers, equestrian surfaces, artificial turf preparation.
- Water Filtration — as filtration media
- GRP / GRC
- Metal Casting

## HEALTH AND SAFETY

Non Hazardous material but avoid prolonged breathing of dust. When in contact with eyes, can cause irritation. Immediately flush eyes with plenty of water for at least 15 minutes.

See MSDS for further details.

## STORAGE AND TRANSPORT

Standard packing :

- Jumbo bags
- 50 Kg bag
- 25 Kg bag

Keep away from a wet environment . Store in a dry place.

No transport restrictions, easy to move by truck or vessel.

## PHYSICAL DATA

Porosity	: 40-41.5 %
Sphericity	: About 0.7
Specific Gravity	: 2.62-2.65
Roundness	: 0.71-0.8
Hardness	: 7 mohs
Bulk Density	: 1.5-1.65 kg/litre (varies with size)

## CHEMICAL DATA

Chemical formulae :  $\text{SiO}_2$

Percentage Composition

$\text{SiO}_2$	: 98.0 % min
$\text{Al}_2\text{O}_3$	: 0.56 % max
$\text{Fe}_2\text{O}_3$	: 0.01 % max
Sulphate	: 0.08 % max
Chloride	: 0.01 % max
$\text{Na}_2\text{O}$	: 0.02 % max
$\text{K}_2\text{O}$	: 0.05 % max
$\text{Cr}_2\text{O}_3$	: 0.01 % max
$\text{MnO}$	: 0.01 % max

Loss on Ignition : 0.09 % max  
at 950 °C

However the composition is subject to variations according to the ambient conditions and origin of the mineral.

## AVAILABLE GRADES

- 0.4 – 0.8 mm
- 1.0 – 2.0 mm
- 2.0 – 5.0 mm
- 5.0 – 10.0 mm
- 8.0 – 16.0 mm

Customized product specification as per customer requirement is also available