

Elements	Contents %
Silica (SiO <sub>2</sub> )	98.0 – 99.5
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	0.011
Loss on ignition (LOI)	0.044
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )	1.020
Magnesium Oxide (MgO)	0.016
Calcium Oxide (CaO)	0.136
Titanium Dioxide (TiO <sub>2</sub> )	0.010
Sodium Oxide (Na <sub>2</sub> O)	0.097
Potassium Oxide (K <sub>2</sub> O)	0.104
Sulphur Trioxide (SO <sub>3</sub> )	0.04

Grade (B.S.S)	Size Range (mm)	E.S (mm)
16/30	0.50-1.00	0.50-0.71
14/25	0.60-1.20	0.63-0.85
10/18	0.85-1.70	0.85-0.95
8/16	1.00-2.00	1.05-1.27
6/14	1.20-2.80	1.25-1.60
5/8	2.00-3.35	2.00-2.70

### Conditions for Operation

Bed depth: 18-30 in.

Freeboard: 20% of bed depth (min.)

Backwash flow rate: 15-20 gpm/sq.Ft.

Backwash bed expansion: 20% of bed depth

Service flow rate:

Municipal: 1.5-2 gpm/sq.Ft.

Industrial: 3 gpm/sq.Ft.

Domestic: 5 gpm/sq.Ft.

### Physical Properties

Color: Off white / Snow White

Bulk Density, Kg/M<sup>3</sup>: 1550

Solubility in 10% HCL: < 0.10

Specific Gravity: 2.67

Hardness Mohs: 7 - 8

Uniform Coefficients: < 1.6

**Packaging:** 25 / 50 kg HDPE Bags, 1 to 1.5 Ton Jumbo Bag