Typical Chemical Analysis

Elements	Contents %
Silica (Sio2)	96.07
Iron Oxide (Fe2O3)	1.57
Loss on ignition (LOI)	0.89
Aluminium Oxide (Al2O3)	0.70
Magnesium Oxide (MgO)	0.34
Calcium Oxide (CaO)	0.23
Titanium Dioxide (TiO2)	0.06
Sodium Oxide (Na2O)	0.05
Potassium Oxide (K2O)	0.04
Sulphur Trioxide (So3)	0.04
Barium Oxide (BaO)	0.01

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: Light Brown
Bulk Density, Kg / M3:1500
Acid Solubility: < 5 %
Specific Gravity: 2.65
Hardness Mohs: 7 - 8
Uniform Coefficients :< 1.4

Packaging: 25 / 50 Kg HDPE Bag , 1 to 1.5 ton Jumbo Bag