



NATURAL SAND FILTER MEDIA



ADVANTAGES

- **Efficient Filtration:** Natural sand filter media offers excellent filtration capabilities, effectively removing suspended solids, impurities, and sediments from water.
- **Cost-Effective:** It provides a cost-efficient solution for water treatment applications, reducing operational expenses.
- **Sustainability:** Derived from natural sources, it is an environmentally friendly filtration medium.
- **High Durability:** Resistant to clogging and long-lasting, ensuring extended service life.

PHYSICAL PROPERTIES

- **Color:** Light beige to brown
- **Shape:** Angular to sub-angular
- **Particle Size:** 0.50 - 1.0 mm
- **Uniformity Coefficient:** < 1.6
- **Bulk Density:** 1500 Kg/m³
- **Specific Gravity:** 2.65 g/cm³
- **Hardness (Mohs Scale):** 6.5-7.0
- **Porosity:** 40% - 45%

CONDITIONS FOR OPERATIONS

- **Maximum Temperature:** 120°C (248°F)
- **Recommended Bed Depth:** 30 - 36 inches
- **Service Flow Rate:** 10 - 20 (m/h)
- **Backwash Flow Rate:** 20 - 30 (m/h)

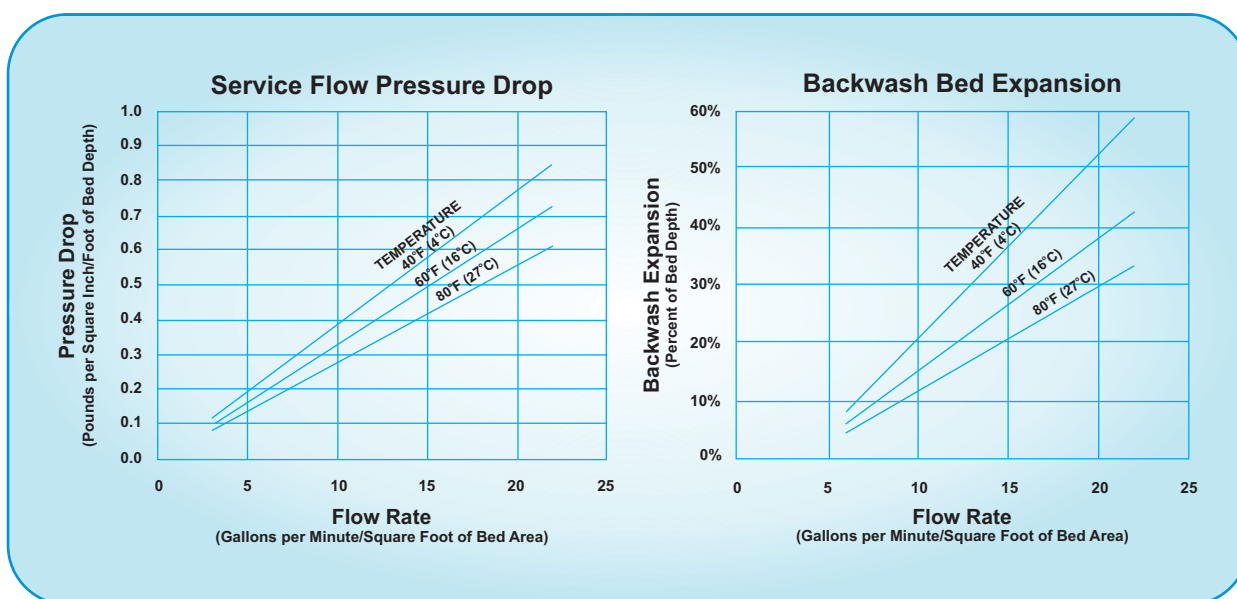
Chemical analysis

Content %	Result	Content %	Result
Silica (SiO ₂)	90 - 96	Titanium Dioxide (TiO ₂)	0.06
Iron Oxide (Fe ₂ O ₃)	1.57	Sodium Oxide (Na ₂ O)	1.05
Loss on ignition (LOI)	0.89	Potassium Oxide (K ₂ O)	0.04
Aluminium Oxide (Al ₂ O ₃)	3.70	Sulphur Trioxide (SO ₃)	0.04
Magnesium Oxide (MgO)	0.34	Barium Oxide (BaO)	0.01
Calcium Oxide (CaO)	3.23	Solubility in 10 % HCL	< 1 %

Grade (B.S.S)	Size Range (mm)	E.S (mm)
16/30	0.50-1.00	0.50-0.711
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

STORAGE AND MATERIAL HANDLING INSTRUCTIONS

- Store in a dry, well-ventilated area.
- Protect from moisture to prevent clumping.
- Use appropriate personal protective equipment (PPE) when handling.
- Avoid dropping or rough handling to prevent breakage.
- Follow local regulations for disposal.



ORDERING INFORMATION

Description	Cu.Ft / Bag	Wt. / Cu.Ft	Bags / Pallet	Weight / Pallet	Pallet Dimensions
Natural Sand 0.5 - 0.1 mm	1	50 Kgs	20	1015 Kgs	45" x 45" x 33"

- *Weight Per Cubic Foot is Approximate.
- * Custom Sizes Available Upon Request.

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