

Smec -Tight™

Bentonite Pellets

General Description: -

Smec-Tight™ is high swelling bentonite specially selected to create a membrane where the low permeability layers are desired. It provides a better sealing property and is free from any toxic material hence also safe to use in aquifers. The greatest advantage to use this product is that it will not shrink and crack with time.

Product Features: -

- High swelling sodium grade bentonite
- Swells 15-20 times to its original volume
- Low seepage rate, low permeability
- High colloidal property
- Seal all types of standpipe piezometer

Particle size distribution: -

Average Dia-11 mm ±0.5 mm

Length: < 25mm - 25%,
< 20 mm - 60%
< 5mm - 15%

Remarks: The Bentonite properties largely depend upon the quality of the water used. In extreme acidic or saline water the results may vary.

Reference Consumption Chart (Basis 11 mm±0.5 average dia pellets): -

Bore Diameter (mm*1ft)	50.8	76.2	101.6	127	152.4	177.8	203.2
Consumption of Smec-Tight™ pellets in kg	0.5-0.7	0.9-1.5	2.5-3.0	7.7-4.7	5.4-6.3	7.5-8.8	9.5-11.5

Parameter	unit	Results
Colour	-	Brown
Free Swelling Volume	ml	28-40
Methylene Blue Adsorption	Mg/gm	>390
Dispersion rate	-	Medium to high
Plate Water adsorption(at the saturation level)	%	500-650
pH (3% dispersion)	-	8.9-9.5
Moisture	%	12 max
Permeability	m/sec	10-7-10-10
Bulk density	Kg/m3	900-1200



[Star Export House accreditation by Govt. of India]

ISO 9001 : 2015 Quality System

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