

Technical Specification



Fiberfilt

1. FUNCTIONAL SPECIFICATION OF THE ARTICLE

- Used in reinforcing protective waterproofing compounds, anti-fracture membranes & insulating materials to prevent formation of cracks caused by tensions generated in the substrate or tiled over surface.
- Made of Poly Propylene Spun Bonded Woven Fabric.

2. INTERNATIONAL STANDARDS/NORMS

- As per the guidelines of ISO 527-1, ASTM D 3575, EN 1928 B, EN 438

3. MATERIAL SPECIFICATION

- **Density : 0.172 g/cc** (in accordance ASTM D 3575)
- **Tensile Strength : 2.4 kN/m** (in accordance ISO 527-1)
- **Elongation (%) : 122** (in accordance ISO 527-1)
- **Deformation at maximum strain (%) : 111** (in accordance ISO 527-1)
- **No. of polypropylene layers : 2** (Visually checked)
- **Steam resistance: no visual change observed** (in accordance EN 438)
- **Waterproofing test: passed** (in accordance EN 1928 B)

- **Adherent to adhesive, N/mm² : 0.29** (in accordance ASTM D 1926)
- **Adherent to lubricating membrane, N/mm² : 0.29** (in accordance ASTM D 1926)
- **Water vapour diffusion coefficient, μ : 31419** (in accordance DIN EN 12086)
- **Biodegradation Test**

i. Test Medium	Inoculum obtained from composed municipal solid waste
ii. Test duration:	45 days
iii. Reference material:	cellulose
iv. pH	
(a) pH of medium (before test)	7.5
(b) pH of medium (after test)	7.6
v. Carbon content, % by mass	
(a) Carbon content of sample	84.22
(b) Carbon content of reference	38.90
- **Volume of reaction vessel.** **2000ml**
- **% Biodegradation of test material-** **14%**

Polypropylene spun bonded non woven fabric

(on the basis of CO₂ evolution)
- **% Biodegradation of reference material (Cellulose)** **86%**

(on the basis of CO₂ evolution)