

TechFab TFI 1000 Series

Woven Multifilament Polypropylene Geotextiles

TechFab TFI 1100 is a woven multifilament polypropylene geotextile produced by TechFab India at its ISO 9001:2000 certified manufacturing facility. The geotextile is resistant to chemicals and micro-organisms normally found in soils. TFI 1100 is stable within a pH range of 2 to 13 and is resistant to short-term exposure to ultraviolet radiation.

TFI 1100 meets the following Minimum Average Roll values:

<i>Property</i>		<i>Test Method</i>	<i>TFI 1100</i>	<i>TFI 1200</i>	<i>TFI 1300</i>	
Mechanical Properties						
Tensile strength	MD / Warp)	IS 1969	28.5 kN/m	45 kN/m	57 kN/m	
	(CMD / Weft)		26.5 kN/m	34 kN/m	42 kN/m	
Elongation at break ⁽¹⁾	MD / Warp)		30 %	30 %	30 %	
	(CMD / Weft)		27 %	27 %	27 %	
Trapezoid tear strength	MD / Warp)		ASTM D4533	320 N	480 N	730 N
	(CMD / Weft)			320 N	420 N	520 N
Puncture strength		ASTM D4833	350 N	480 N	620 N	
Hydraulic properties						
Apparent opening size ⁽²⁾		ASTM D4751	0.075 mm	0.075 mm	0.075 mm	
Water permeability (flow rate)		ASTM D 4491	9.5 l/m ² /s	10 l/m ² /s	9.5 l/m ² /s	

⁽¹⁾ Typical value

⁽²⁾ Maximum average roll value

Mass per unit area	ASTM D5261	140 g/m ²	200 g/m ²	240 g/m ²
--------------------	------------	----------------------	----------------------	----------------------

Forms of supply	<i>Roll Size</i>	<i>100 m x 5 m</i>	<i>Roll weight</i>	<i>70 Kg.</i>	<i>100 Kg.</i>	<i>120 Kg.</i>
------------------------	------------------	--------------------	--------------------	---------------	----------------	----------------

The above specifications are effective from 01 – 04 – 2005. Techfab India reserve the right to change the specifications without prior notice.

712, Embassy Centre, Nariman Point, Mumbai – 400021,INDIA
 Tel: 91 22 22876224, 22876225 Fax: 91 22 22876218
 Email: office@techfabindia.com Website: www.techfabindia.com