

F SERIES & FILTEX

TECHNICAL DATASHEET

Product	Nonwoven geotextile / Geocomposite
Composition	Polyester / Polypropylene
Main function	Filtration

Property	Test Method	F-100	F-200	F-300	F-500	F-909	FILTEX	
Physical								
Product	N/A	Needlepunched nonwoven short staple fibers geotextile					Nonwoven / net ⁽¹⁾ geocomposite	
Composition	N/A	Polyester			Polypropylene		Polypropylene	
Weight	ASTM D5261	100 g/m ²	185 g/m ²	285 g/m ²	490 g/m ²	215 g/m ²	185 g/m ²	
Thickness	ASTM D5199	0.8 mm	1.3 mm	1.8 mm	2.9 mm	2.3 mm	2.6 mm	
Mechanical								
Tensile Strength	ASTM D4632	135 N	400 N	600 N	1 100 N	625 N	90 N	
Elongation at Break ⁽²⁾	ASTM D4632	50-100 %	50-100 %	50-100 %	50-100 %	50-100 %	-	
Trapezoid tear	ASTM D4533	70 N	190 N	260 N	425 N	325 N	-	
CBR puncture	ASTM D6241	500 N	1350 N	2000 N	3700 N	2000 N	1000 N	
Hydraulic								
Permeability	ASTM D4491	0.25 cm/s	0.12 cm/s	0.07 cm/s	0.05 cm/s	0.42 cm/s	-	
Permittivity	ASTM D4491	1.6 s ⁻¹	0.61 s ⁻¹	0.25 s ⁻¹	0.15 s ⁻¹	1.42 s ⁻¹	-	
Filtration opening size (FOS) ⁽³⁾	CAN 148.1 No.4	75-120 µm	70 µm	60 µm	60 µm	70-115µm	450-900 µm	
Dimensions								
Width	N/A	Variable	3.81 m ⁽⁴⁾				3.5 m	
Length	N/A	Variable	100 m				50 m	

Our quality management system is certified by ISO-9001 standard. Our internal laboratory is certified by the Geosynthetic Accreditation Institute - Laboratory Accreditation Program (GAI-LAP). Values are based on minimum average roll values (MARV) except when specified.

The values entered are values obtained at the time of manufacture. Handling and storage conditions may change some properties.

Please note that this technical data sheet is updated to take into account the transfer of test methods to ASTM (American Society for Testing and Materials) standards instead of CGSB (Canadian General Standards Board) standards. With the exception of the FOS test method (CAN 148.1 No.10), ASTM test methods are now used, as the CGSB no longer provides updates for these standards.

1- Net treated with an antibacterial agent / 2- Interval / 3- Interval or maximum average roll value / 4- The 3.5m width will no longer be available for any new production in 2020. Check the standard widths available.

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