

# TECHNICAL DATA SHEET

## F SERIES & FILTEX



<b>Product</b>	Nonwoven geotextile / Geocomposite
<b>Composition</b>	Polyester / Polypropylene
<b>Main Function</b>	Filtration

Property	Test Method	Texel F-200	Texel F-300	Texel F-500	Texel F-909	Texel FILTEX
<b>Physical</b>						
Product	-	Needlepunched nonwoven short staple fibers geotextile				Nonwoven / net <sup>(1)</sup> geocomposite
Composition	-	Polyester			Polypropylene	
Weight	ASTM D5261	185 g/m <sup>2</sup>	285 g/m <sup>2</sup>	490 g/m <sup>2</sup>	215 g/m <sup>2</sup>	185 g/m <sup>2</sup>
Thickness	ASTM D5199	1.3 mm	1.8 mm	2.9 mm	2.0 mm	2.6 mm
<b>Mechanical</b>						
Tensile Strength	ASTM D4632	400 N	600 N	1100 N	625 N	90 N
Elongation at Break <sup>(2)</sup>	ASTM D4632	50-100 %				-
Trapezoid tear	ASTM D4533	190 N	260 N	425 N	325 N	-
CBR puncture	ASTM D6241	1350 N	2000 N	3700 N	2000 N	400 N
<b>Hydraulic</b>						
Permeability	ASTM D4491	0.12 cm/s	0.07 cm/s	0.05 cm/s	0.42 cm/s	-
Permittivity	ASTM D4491	0.61 s <sup>-1</sup>	0.25 s <sup>-1</sup>	0.15 s <sup>-1</sup>	1.42 s <sup>-1</sup>	-
Filtration opening size (FOS) <sup>(3)</sup>	CAN 148.1 No.4	70 µm	60 µm	60 µm	70 - 115 µm	450 - 900 µm
<b>Dimensions</b>						
Width	-	3.81 m				3.5 m
Length	-	100 m				50m

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

**Revision : 2021-07-14**

Texel reserves the right to modify existing properties contingent on the evolution of technical knowledge. Each user is invited to verify if this document represents the most recent update. Texel offers no guarantee and assumes no responsibility regarding usage, installation and/or convenience of usage. Texel must be informed of all product nonconformity prior to installation. Responsibility is limited to replacement of non-compliant or defective product.

