

SX-Reinforcement 1 & SX-Filtration Series

Woven geotextile

TECHNICAL DATASHEET

Type of geotextile (GTX)	Woven slit film / monofilament
Composition	Polypropylene
Main function	Reinforcement / Filtration

Property	Test Method	Unit	SX-60T	SX-90T	SX-110T	SX-130T	SX-104F	SX-111F	SX-117F									
Physical																		
Product type	-	-	Woven slit film geotextile				Woven monofilament geotextile											
Main function	-	-	Reinforcement				Filtration											
Mechanical																		
Tensile strength	ASTM D4632	N lb	600	135	890	200	1 113	250	1 402	315	1 647 x 1 112	370 x 250	1 624 x 890	365 x 200	1 557 x 1 246	350 x 280		
Elongation at break	ASTM D4632	%	15		15		15		15		15 x 15		24 x 10		20 x 15			
Trapezoid tear	ASTM D4533	N lb	245	55	333	75	400	90	533	120	445 x 267	100 x 60	512 x 334	115 x 75	489 x 423	110 x 95		
CBR puncture	ASTM D6241	N lb	1 691	380	3 115	700	3 338	750	4 005	900	4 226	950	3 003	675	3 937	885		
UV resistance	ASTM D4355	%/500h	70				90		90		80							
Hydraulic																		
Flow rate	ASTM D4491	L/min/m ² G/min/ft ²	163	4	204	5	163	4	163	4	733	18	5 908	145	8 149	200		
Permittivity	ASTM D4491	s ⁻¹	0.05				0.28		2.10		1.50							
AOS ¹	ASTM D4751	µm us sieves	425 40				212		70		425		40		600		30	
Percent opening area (POA)	CW-02215 Mod. ²	%	-	-	-	-	-	-	-	-	4		10		17			
Dimensions³																		
Width	N/A	m ft	3.81 12.5				3.66		12		3.81		12.5		3.66		12	
Length	N/A	m ft	131.67 432				110 360		91.44 300									

This technical information comes from the manufacturer and was transcribed by Texel.

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.

1-Maximum average roll value / 2-Army Corp of Engineers test method correlated to light emitted through fabric. (Area of opening/total area x 100%)

3- Standard dimensions presented. Check the available dimensions with customer service.

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