

TECHNICAL DATA SHEET

SX-Reinforcement 2 Series



Product	Woven Monofilament
Composition	Polypropylene
Main Function	Reinforcement / Filtration

Property	Test Method	Unit	Texel SX-2H2	Texel SX-2U2	Texel SX-3H3	Texel SX-3U3	Texel SX-4H4	Texel SX-4U4
Mechanical								
Tensile Strength	ASTM D4632	N	1312 x 1156	-	1780 x 1335	-	2224 x 2224	-
Wide Width Tensile	ASTM D4595	kN/m	38.5 x 35.9	-	52.5 x 48.2	-	70 x 70	80 ⁽¹⁾
Wide Width Tensile at 2% Strain	ASTM D4595	kN/m	7.4 x 8.8	8.8 ⁽¹⁾	7.9 x 7.9	9.5 ⁽¹⁾	14 x 21.9	10 ⁽¹⁾
Wide Width Tensile at 5% Strain	ASTM D4595	kN/m	21.0 x 22.8	23.6 ⁽¹⁾	21.9 x 22.8	26.5 ⁽¹⁾	35 x 43.8	25 ⁽¹⁾
Wide Width Tensile at 10% Strain	ASTM D4595	kN/m	34.1 x 35.2	-	35 x 35	-	-	-
CBR Puncture	ASTM D6241	N	4448	-	7117	-	8897	-
Trapezoidal Tear	ASTM D4533	N	578 x 490	-	801 x 623	-	801 x 801	-
UV Resistance (500 hours)	ASTM D4355	%	80	90	80	90	80	90
Interaction Coefficient	ASTM D6706	-	-	0.89	-	0.89	-	0.89
Hydraulic								
Apparent Opening Size (AOS) ⁽²⁾	ASTM D4751	mm	0.600	0.425	0.600	0.470	0.600	0.425
Pore Size 0 ⁹⁵	ASTM D6767	µm	-	273	-	365	-	365
Pore Size 0 ⁵⁰	ASTM D6767	µm	-	175	-	185	-	185
Permittivity	ASTM D4491	sec ⁻¹	0.60	0.9	0.52	0.9	0.50	1.0
Water Flow Rate	ASTM D4491	l/min/m ²	1630	2852	1630	3078	1222	3036
Dimensions								
Width	-	m	4.57	4.57	4.57	4.57	4.57	4.57
Length	-	m	91.5	91.5	91.5	91.5	91.5	91.5

This technical information comes from the manufacturer and was transcribed by Texel. Properties are based on the Minimum Average Roll Value (MARV) except when specified otherwise. The values entered are values obtained at the time of manufacture. Handling and storage conditions may change some properties.

1- Cross direction / 2- Maximum average roll value

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