

TECHNICAL DATA SHEET

SX-Reinforcement 2 (U) Series



Product	Woven Monofilament
Composition	Polypropylene
Main Function	Reinforcement / Filtration

Property	Test Method	Unit	SX-2U2	SX-3U3	SX-4U4
Mechanical					
Mr Improvement Factor	AASHTO T-307	-	1.32	1.36	1.41
Interaction Coefficient	ASTM D6706	-	0.9	0.9	0.92
Grab Tensile	ASTM D4632	kN	2.2 x 1.4	2.3 x 1.6	2.76 x 2.23
Grab Elongation	ASTM D4632	%	12 x 8		
Trapezoid Tear	ASTM D4533	N	667		
CBR Puncture	ASTM D6241	N	8 000	8 000	8 900
Initial Tensile Stiffness @ 0.5%	ASTM D4595	kN/m	1 240	1 342	1 820
Wide Width Tensile @ 2%	ASTM D4595	kN/m	10.2 x 10.9	9.1 x 15.2	7.3 x 26.6
Wide Width Tensile @ 5%	ASTM D4595	kN/m	24.8 x 26.2	27 x 33.6	21.6 x 63.9
Cyclic Tensile Modulus @ 2%	ASTM D7556	kN/m	795 x 1 000	1 000 x 1 116	1 094 x 1 766
Hydraulic					
Permittivity	ASTM D4491	sec ⁻¹	0.9	0.9	1.0
Permittivity Under Load	ASTM D5493	sec ⁻¹	0.5	0.5	0.8
Water Flow Rate	ASTM D4491	l/min/m ²	3 056	3 667	3 056
Water Flow Rate Under Load	ASTM D5493	l/min/m ²	1 425	1 425	2 445
AOS ¹	ASTM D4751	µm	425	425	425
Nominal Pore Size O ₉₅	ASTM D6767	µm	490	496	453
Nominal Pore Size O ₈₅	ASTM D6767	µm	450	448	403
Nominal Pore Size O ₆₀	ASTM D6767	µm	360	361	352
Nominal Pore Size O ₅₀	ASTM D6767	µm	320	324	328

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-Maximum average roll value

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