



■ FX™ Woven High Performance Geotextiles – “SRF” Series

Woven Fabrics of Polypropylene Slit Film and Multifilament Polyester Yarns

The SRF Series of FX™ High Performance geotextiles are specialty woven soil reinforcement fabrics manufactured specifically for use in the construction of steepened slopes, embankments and wrapped-face retaining walls. Woven of high tenacity, high molecular weight multifilament polyester yarns in the warp or “reinforcing” direction, the SRF Series of geotextiles are resistant to UV degradation and biological and chemical environments normally found in soils.

English Values

PROPERTY	SYMBOL	TEST METHOD	FX™-400SRF	FX™-600SRF	FX™-900SRF	FX™-1200SRF
<input type="checkbox"/> Tensile Properties						
MD – Ultimate	T _{ult}	ASTM D 4595	4944 lb/ft	7091 lb/ft	10460 lb/ft	14409 lb/ft
MD – Ultimate Strain at Failure	E _{ult}		13%	14%	13%	13%
MD – Tensile Strength @ 5% Strain	T _{5%}		1360 lb/ft	1482 lb/ft	3262 lb/ft	3281 lb/ft
MD – Creep Reduced Strength	T _i	ASTM D 5262	2908 lb/ft	4171 lb/ft	6153 lb/ft	8476 lb/ft
<input type="checkbox"/> Reduction Factors						
Creep	RF _{CR}	ASTM D 5262	1.67	1.67	1.67	1.67
Durability (5 < pH < 8)	RF _D	GRI: GG7 & GG8	1.15	1.15	1.15	1.15
Installation Damage:	RF _{ID}	ASTM D 5818				
Soil Type 1 (Gravel): 8mm D ₅₀			1.37	1.34	1.32	1.28
Soil Type 2 (Concrete Sand): 0.65mm D ₅₀			1.17	1.16	1.14	1.14
Soil Type 3 (Silty Sand): 0.11mm D ₅₀			1.11	1.10	1.09	1.09
<input type="checkbox"/> Design Strength Properties						
Long Term Design Strength / Allowable Tensile Strength						
T _{ult} / RF for Soil Type 1: Gravel	LTDS/T _{al}	NCMA/FHWA	1879 lb/ft	2755 lb/ft	4126 lb/ft	5861 lb/ft
T _{ult} / RF for Soil Type 2: Concrete Sand			2200 lb/ft	3183 lb/ft	4778 lb/ft	6581 lb/ft
T _{ult} / RF for Soil Type 3: Silty Sand			2319 lb/ft	3357 lb/ft	4997 lb/ft	6883 lb/ft
<input type="checkbox"/> Design Interaction Properties						
Coefficient of Interaction						
Soil Type 1	C _i	ASTM D 6706	0.90	0.90	0.90	0.90
Soil Type 2						
Soil Type 3						
Coefficient of Direct Sliding						
Soil Type 1	C _{ds}	ASTM D 5321	0.80	0.80	0.80	0.80
Soil Type 2						
Soil Type 3						
<input type="checkbox"/> Scale Correction Factor						
	α		1.00	1.00	1.00	1.00

Unless otherwise noted, all properties reported are Minimum Average Roll Values (MARV), and are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported.

The properties reported above are effective 10/16/03 and are subject to change without notice.

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