

FOUNDATION Geotextiles

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Technical Data Sheet

FG22HF

Foundation Geotextiles FG22HF is manufactured from high-tenacity polypropylene yarns, which are woven into a dimensionally stable network in such a manner that the yarns retain their relative position to one another. FG22HF resists ultraviolet deterioration and biological degradation and is inert to most naturally encountered soil chemicals, alkalis, and acids.

<i>Property</i>	<i>Test Procedure</i>	UNIT	MARV
Grab Tensile Strength	ASTM D-4632	Lbs kN	320 x 320 (1.42 x 1.42)
Grab Elongation	ASTM D-4632	percent	15 x 15
Wide Width Tensile	ASTM D-4595	Lbs/ft (kN/m)	3200 x 2800 (46.6 x 40.8)
Wide Width 2%	ASTM D-4595	Lbs/ft (kN/m)	600 x 600 (14.5 x 14.5)
Trapezoidal Tear	ASTM D-4533	Lbs (kN)	125 X 125 (0.56 X 0.56)
Flow Rate	ASTM D-4491	Gal/min/ft ² (l/m/m ²)	50 (2036)
Permittivity	ASTM D-4491	Sec ~1	.70
Apparent Opening Size (AOS)	ASTM D-4751	US Sieve (mm)	40 (0.425)
UV Resistance (@500 hrs)	ASTM D-4355	% Strength Retained	80
CBR	ASTM D-6241	Lbs (kN)	1000 (4.4)

Standard Roll Length 15 x 300 ft

MARV: Minimum average roll value

Note: Minimum average roll values represent a 97.5% confidence level, calculated as the mean minus two standard deviations. Fifty percent of test values will exceed the typical value listed above.

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