

# Foundation Geotextiles

256 Paper Lane, Clarkesville, GA 30523, Tel 706/839-6632, fax 706/839-6634

## Technical Data Sheet

### FG42.5

Foundation's FG42.5 is composed of high-tenacity (PP) yarns, which are woven into a network in such a manner that the yarns retain their relative position to each other for the high demands required for Filtration and Dewatering applications. The fabric can be produced in light colors for marine applications. FG42.5 is inert to biological degradation and resistant to most naturally encountered chemicals, alkalis, and acids. The design has 4" extra strong side selvages with an 8" middle selvaige seam that allows it to be cut in half.

<i>Property</i>	<i>Test Procedure</i>	UNIT	MARV
Wide Width Strength MD X CMD	ASTM D-4595	Lbs/in (kN/m)%	385 X 335 (66 X 58)
Wide Width Elongation	ASTM D-4595	Percentage	18 X 12
CBR Puncture	ASTM D-4533	Lbs (kN)	1700 (11)
Trapezoid Tear	ASTM D-4533	Lbs (N)	250 x 250 (1111 x 1111)
Flow Rate	ASTM D-4491	Gal/min/ft <sup>2</sup> (l/m/m <sup>2</sup> )	9 (367)
Apparent Opening Size (AOS)	ASTM D-4751	US Sieve (mm)	50 (.30)
Permittivity	ASTM D-4491	SEC ~1	.13
UV Resistance (@1200 hrs )	ASTM D-4355	% Strength Retained	70

\*Machine Direction (MD) \*\*Cross Machine Direction (CMD)

MARV: Minimum average roll value

Note: Minimum average roll values represent a 97.5% confidence level, calculated as the mean minus two standard deviations.

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