

FOUNDATION Geotextiles

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Technical Data Sheet

FG27

Foundation Geotextiles FG27 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. FG27 resists ultraviolet deterioration and biological degradation and is inert to most naturally encountered soil chemicals, alkalis, and acids. NTPEP certified fabric.

<i>Property</i>	<i>Test Procedure</i>	UNIT	MARV
Grab Tensile Strength	ASTM D-4632	Lbs kN	295 X 260 (1.31 X 1.16)
Grab Elongation	ASTM D-4632	percent	13 x 12
Wide Width Tensile	ASTM D-4595	Lbs/ft (kN/m)	2640 x 2460 (38.5 X 35.9)
Wide Width Tensile @ 2%	ASTM D-4595	Lbs/ft (kN/m)	480 x 588
Wide Width Tensile @ 5%	ASTM D-4595	Lbs/ft (kN/m)	1250 x 1400 (18.3 x 20.4)
Trapezoidal Tear	ASTM D-4533	Lbs (kN)	110 x 130 (0.49 x 0.58)
Flow Rate	ASTM D-4491	Gal/min/ft ² (l/m/m ²)	40 (1630)
Permittivity	ASTM D-4491	Sec ~1	0.60
Apparent Opening Size (AOS)	ASTM D-4751	US Sieve (mm)	30 (.6)
UV Resistance (@500 hrs)	ASTM D-4355	% Strength Retained	80
CBR	ASTM D-6241	Lbs (kN)	1000 (4.38)

Standard Roll Length 15x300 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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