



## GEO 270NWE (Environmental)

GEO 270NWE is an 10 OZ MARV WEIGHT nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. GEO 270NWE is resistant to ultraviolet deterioration, rotting, biological degradation, naturally encountered bases and acids. Polypropylene is stable within a pH range of 2 to 13. GEO 270NWE meets the following M.A.R.V. values:

Property	Test Method	English	Metric
Weight	ASTM D-5261	10 oz/sy	339 g/sm
Tensile Strength	ASTM D-4632	270 lbs	1,201 N
Elongation @ Break	ASTM D-4632	50%	50%
Thickness	ASTM D-5199	110 mils (at time of manufacture)	2.79 mm (at time of manufacture)
CBR Puncture	ASTM D-6241	725 lbs	3,226 N
Trapezoidal Tear	ASTM D-4533	100 lbs	440 N
Apparent Opening Size	ASTM D-4751	100 US Sieve	0.15 mm
Permittivity	ASTM D-4491	0.94 Sec-1	0.94 Sec-1
Permeability	ASTM D-4491	.30 cm/sec	.30 cm/sec
Water Flow Rate	ASTM D-4491	75 g/min/sf	3,055 l/min/sm
UV Resistance @ 500 Hours	ASTM D-4355	70%	70%

Roll Size	Roll Diameter	Area	Weight
15' x 570'	31.0 in	950 sys	620

This information is provided for reference only and is not intended as a warranty or guarantee. GeoCHEM, Inc. assumes no liability in connection with the use of this information (1/2017).

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