



Product Data Sheet

Non Woven Geotextile (NW45)

GeoProducts NW45 is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. GeoProducts NW45 resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GeoProducts NW45 meets or exceeds the physical property values listed below:

PROPERTY	TEST METHOD	MARV ENGLISH AVERAGE	AASHTO M-288 Requirements
Tensile Strength (Grab)	ASTM D-4632	100lbs (366n)	80lbs (356n)
Elongation	ASTM D-4632	50%	
Puncture	ASTM D-4833	300lbs (1098n)	70lbs (310n)
Mullen Burst	ASTM D-3786	185 psi (1275 kPa)	895 kPa
Trapezoidal Tear	ASTM D-4533	45lbs (164n)	25lbs (110n)
UV Resistance (at 500 hours)	ASTM D-4355	70%	50%
Apparent Opening Size (AOS)	ASTM D-4751	70 US Std. Sieve	
Permittivity	ASTM D-4491	2 sec-1	1.5 sec-1
Water Flow Rate	ASTM D-4491	140 gpm/ft2	
Roll Sizes	12.5' x 300' 15' x 360'	3.81m x 91.5m 4.57m x 109.8m	

*Maximum average roll value

Exclusion of Liability

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