



# Product Data Sheet

## FLEX 180N GEOTEXTILE SEPARATION LAYER

### PRODUCT DESCRIPTION

Flex 180N Geotextile is a non woven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. Flex 180N Geotextile is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

The Flex 180N Geotextile is installed as a separation or protection layer in Flex Protected Membrane Roof Systems. It also is used as a protection layer and filtration fabric in Flex Garden Roof Systems and Flex Below Grade Waterproofing Systems. The Flex 180N has excellent physical and hydraulic properties in addition to high tensile strength. The Flex 180N provides the required strength and abrasion resistance to protect Flex Thermoplastic Roofing and Waterproofing Membranes withstanding installation and application stress to create an effective, long term solution.

### PHYSICAL PROPERTIES

<u>Property</u>	<u>Test Procedure</u>	<u>Specification</u>
Thickness	ASTM D 5199	.072ö
Weight	ASTM D 5261	8.0 oz/yd
Dimensions		15øx300ø
Tensile Strength	ASTM D 4632	205lbs x 205lbs
Tensile Elongation	ASTM D 4632	50%
Tear Strength	ASTM D 4533	80lbs x 80lbs
Mullen Burst Strength	ASTM D 3786	350 psi
Puncture Strength	ASTM D 4833	110 lbs
Apparent Opening Size	ASTM D 4751	80 US Sieve
Permittivity	ASTM D 4491	1.1 sec <sup>-1</sup>
Permeability	ASTM D 4491	0.21 cm/sec
Flow Rate	ASTM D 4491	95 gal/min/ft <sup>2</sup>
UV Resistance (500 hrs)	ASTM D 4355	70%

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