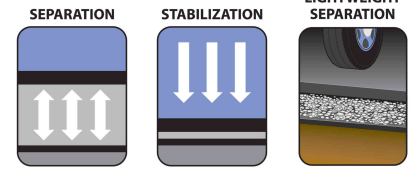


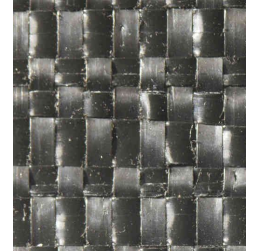


# US 270

## Woven Geotextile



US 270 is a woven geotextile made of 100% polypropylene slit film yarns. This product provides separation of the aggregate from the subgrade and has high tensile strength and modulus, adding reinforcement to the foundation soil. US 270 meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Typical</span>	<a href="#"><u>ASTM D-5261</u></a>	5.6 oz/y <sup>2</sup>	189.84 g/m <sup>2</sup>
Grab Tensile Strength	<a href="#"><u>ASTM D-4632</u></a>	270 lbs	1,200 N
Elongation @ Break	<a href="#"><u>ASTM D-4632</u></a>	15 %	15 %
Mullen Burst <sup>(3)</sup>	<a href="#"><u>ASTM D-3786</u></a>	500 psi	3,447 kPa
Pin Puncture <sup>(3)</sup>	<a href="#"><u>ASTM D-4833</u></a>	100 lbs	445 N
CBR Puncture	<a href="#"><u>ASTM D-6241</u></a>	850 lbs	3,783 N
Trapezoidal Tear	<a href="#"><u>ASTM D-4533</u></a>	100 lbs	445 N
Apparent Opening Size <sup>(1,2)</sup>	<a href="#"><u>ASTM D-4751</u></a>	40 US Sieve	0.425 mm
Permittivity <sup>(1)</sup>	<a href="#"><u>ASTM D-4491</u></a>	0.05 Sec <sup>-1</sup>	0.05 Sec <sup>-1</sup>
Water Flow Rate <sup>(1)</sup>	<a href="#"><u>ASTM D-4491</u></a>	4 g/min/f <sup>2</sup>	163 L/min/m <sup>2</sup>
UV Resistance @ 500 Hours	<a href="#"><u>ASTM D-4355</u></a>	70 %	70 %

<sup>(1)</sup> At the time of manufacturing. Handling, storage, and shipping may change these properties.

<sup>(2)</sup> Maximum average roll value (MaxARV).

<sup>(3)</sup> Historical reference values. These properties are no longer recognized by ASTM or AASHTO for geosynthetics.

## US 270 Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 360'	12"	12.5'	215 lbs	500 y <sup>2</sup>	204
15' x 300'	12"	15'	215 lbs	500 y <sup>2</sup>	204
17.5' x 258'	12"	17.5'	215 lbs	500 y <sup>2</sup>	204

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