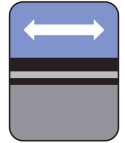




US 450T

Reinforcement Geotextile

REINFORCEMENT



US 450T is a woven geotextile produced from polypropylene slit-film tapes. This product is used for reinforcement applications. US 450T meets the following M.A.R.V. values:

PROPERTY	TEST METHOD	ENGLISH	METRIC
Factory Seam Strength	<u>ASTM D-4884</u>	400 lbs/in	69.7 kN/m
Wide Width Tensile Strength	<u>ASTM D-4595</u>	5,400 x 7,464 lbs/ft	78.81 x 108.93 kN/m
Wide Width Elongation @ Break	<u>ASTM D-4595</u>	20 x 18 %	20 x 18 %
Pin Puncture ⁽³⁾	<u>ASTM D-4833</u>	225 lbs	1,001.25 N
CBR Puncture	<u>ASTM D-6241</u>	3,000 lbs	13,350 N
Trapezoidal Tear	<u>ASTM D-4533</u>	250 x 300 lbs	1,113 x 1,335 N
Apparent Opening Size ^(1,2)	<u>ASTM D-4751</u>	30 x 40 US Sieve	0.595 x 0.4 mm
Permittivity ⁽¹⁾	<u>ASTM D-4491</u>	0.27 Sec ⁻¹	0.27 Sec ⁻¹
Water Flow Rate ⁽¹⁾	<u>ASTM D-4491</u>	20 g/min/f ²	815 L/min/m ²
Pore Size 0(50) Typical	<u>ASTM D-6767</u>	140 US Sieve	100 micron
Pore Size 0(95) Typical	<u>ASTM D-6767</u>	40 US Sieve	395 micron
UV Resistance @ 1,400 Hours	<u>ASTM D-4355</u>	70 %	70 %
UV Resistance @ 1,400 Hours Typical	<u>ASTM D-4355</u>	85 %	85 %
WW Tensile Strength @ 10 % Strain Typical	<u>ASTM D-4595</u>	3,840 lbs/ft	56.04 kN/m
WW Tensile Strength @ 2 % Strain Typical	<u>ASTM D-4595</u>	300 x 1,620 lbs/ft	4.38 x 23.35 kN/m
WW Tensile Strength @ 5 % Strain Typical	<u>ASTM D-4595</u>	1,440 x 3,840 lbs/ft	21.02 x 56.04 kN/m

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

⁽²⁾ Maximum average roll value (MaxARV).

⁽³⁾ Historical reference values.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

US 450T Shipping & Packaging Information

SIZE	WIDTH	AREA
15' x 300'	15'	500 y ²

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