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ERS 400N Nonwoven Geotextile

ERS 400N is a needlepunched nonwoven geotextile manufactured using polypropylene fibers that are formed into a dimensionally stable network, which allows the fibers to maintain their relative position.

ERS 400N resists ultraviolet deterioration, rotting, and biological degradation and is inert to commonly encountered soil chemicals.

PROPERTY	TEST METHOD	MARV English	MARV Metric
Tensile Strength (Grab)	ASTM D4632	100 x 100 lbs	445 x 445 N
Elongation	ASTM D4632	50%	50%
CBR Puncture	ASTM D6241	300 lbs	1334 N
Trapezoidal Tear	ASTM D4533	45 x 45 lbs	200 x 200 N
UV Resistance (500 hrs)	ASTM D4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D4491	2.0 sec ⁻¹	2.0 sec ⁻¹
Water Flow Rate	ASTM D4491	140 gpm/ft ²	5704 lpm/m ²

*Maximum Average Roll Valve

Notes:

•Mullen Burst ASTM D3786 has been removed. It is not recognized by ASTM D35 on Geosynthetics.

•Puncture ASTM D4833 has been removed. It is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D6241

PROPERTY	Typical English	Typical Metric
Roll Dimensions	12.5 x 360 ft 15 x 360 ft	3.81 x 109.8 m 4.6 x 109.8 m
Roll Area	500 yd ² 600 yd ²	418 m ² 502 m ²

ERS Materials, LLC (ERS) Warranty: ERS warrants our products to be free from defects in material and workmanship when delivered to our customers and that our products meet our published specifications. If a product is found to be defective, and our customer gives notice to ERS before installing the product, ERS will replace the product without charge to our customer or refund the purchase price at ERS election. Replacing the product or obtaining a refund are the buyer's sole remedy for a breach and ERS will not be liable for any consequential damage attributed to a defective product. This warranty is given in lieu of all other warranties, express or implied, including the implied warranty of merchantability or fitness for a particular purpose. There are no warranties, which extend beyond the description provided herein.