

ERS 450N is a needle-punched, nonwoven, geotextile manufactured using polypropylene fibers that are formed into a dimensionally stable network, which allows the fibers to maintain their relative position.

ERS 450N 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	120 x 120 lbs.	534 x 534 N
Elongation (Grab)	ASTM D4632	50% x 50%	50% x 50%
Trapezoidal Tear Strength	ASTM D4533	50 x 50 lbs.	222 x 222 N
CBR Puncture	ASTM D6241	335 lbs.	1,490
UV Resistance (500 hrs.)	ASTM D4355	70%	70%
Apparent Opening Size (AOS)*	ASTM D4751	70 US Std. Sieve	0.212 mm
Permittivity	ASTM D4491	1.7 sec ⁻¹	1.7 sec ⁻¹
Water Flow Rate	ASTM D4491	120 gpm/ft ²	4,889 lpm/m ²
* Maximum Average Roll Valve			

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

Warranty: Earth Retention, LLC warrants our products to be free from defects in material 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 Earth Retention before installing the product, Earth Retention, will replace the product without charge to our customer or refund the purchase price at Earth Retention's election. Replacing the product or obtaining a refund are the buyer's sole remedy for a breach and Earth Retention 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.

