



RM170 Nonwoven Geotextile

Product – Needlepunch 4.5oz Civil Geotextile

Fiber Type – High Tenacity Synthetic Staple Fiber

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
Grab Tensile Strength	ASTM D4632	N	535
Grab Tensile Elongation	ASTM D4632	%	>50
Trapezoid Tear Strength	ASTM D4533	N	225
CBR Puncture Strength	ASTM D6241	N	1515
Hydraulic Properties			
Apparent Opening Size (AOS) *	ASTM D 4751	mm	0.21
Permittivity	ASTM D4491	Sec-1	1.7
Flow Rate	ASTM D 4491	L/min/m ²	5005
Filtration Opening Size (FOS)	CAN148.1 No.1	µm	70-180
UV Resistance (at 500 hours)	ASTM D4355	% strength retained	70

Disclaimer: All values are MARV except where specified (*). Randall Manufacturing Inc. assumes no liability in connection with the installation and/or the improper use of the geotextile described in this document.

Randall Manufacturing Inc. All Rights Reserved.