



RM550 Nonwoven Geotextile

Product – Needlepunch 16oz Civil Geotextile

Fiber Type – High Tenacity Synthetic Staple Fiber

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
Grab Tensile Strength	ASTM D4632	N	1690
Grab Tensile Elongation	ASTM D4632	%	>50
Trapezoid Tear Strength	ASTM D4533	N	644
CBR Puncture Strength	ASTM D6241	N	4820
Hydraulic Properties			
Apparent Opening Size (AOS) *	ASTM D 4751	mm	0.15
Permittivity	ASTM D4491	Sec-1	0.7
Flow Rate	ASTM D 4491	L/min/m ²	2035
Filtration Opening Size (FOS)	CAN148.1 No.1	µm	50-120
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.

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