

REED & GRAHAM INC.

# GEOSYNTHETICS

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## RG80N Nonwoven Geotextile Certification

This is to certify that RG80N is a nonwoven geotextile composed of polypropylene fibers, which are formed into a stable network such that the fibers retain their relative position. RG80N is inert to biological degradation and resistant to naturally encountered chemicals, alkalis and acids. RG80N meets the 2006 California Department of Transportation Specifications Section 88-1.04<sup>1</sup> for Rock Slope Protection, Type B, nonwoven and complies with the Caltrans Specification 6-1.07.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.9 (205)
Grab Tensile Elongation	ASTM D 4632	%	50
Weight	ASTM D 5261	g/m <sup>2</sup>	200
Permittivity	ASTM D 4491	Sec <sup>-1</sup>	1.1

Physical Properties	Test Method	Unit	Typical Value
Toughness	Grab Tensile Strength X Elongation	kN	53

<sup>1</sup> Toughness is calculated as a typical value and Reed & Graham certifies weight to ASTM D 5261.

  
Bruce W. Adams  
Geo Division Manager