

GEOSYNTHETICS

RG200W Woven Geotextile Technical Data Sheet

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Sacramento, CA 95828

Reed & Graham's RG200W is a woven geotextile composed of high-tenacity polypropylene yarns, which are woven into a stable network such that the yarns retain their relative position. RG200W is inert to biological degradation and resists naturally encountered chemicals, alkalis, and acids.

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Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
Grab Tensile Strength	ASTM D 4632	kN (lbs)	0.9 (200)
Grab Tensile Elongation	ASTM D 4632	%	15
Trapezoid Tear Strength	ASTM D 4533	kN (lbs)	0.33 (75)
Mullen Burst Strength	ASTM D 3786	kPa(psi)	2756 (400)
Puncture Strength ¹	ASTM D 4833	kN(lbs)	0.4 (90)
Apparent Opening Size (AOS) ²	ASTM D 4751	mm (U.S. Sieve)	0.43 (40)
Permittivity	ASTM D 4491	Sec ⁻¹	0.05
Flow Rate	ASTM D 4491	l/min/m ² (gal/min/ft ²)	163 (4.0)
UV Resistance after 500 hours	ASTM D 4355	% Strength Retained	70

¹ ASTM D 4833 has been replaced with ASTM D 6241

² ASTM D 4751, AOS is a Maximum Opening Diameter Value

Physical Properties	Test Method	Unit	Typical Value	
Mass / Unit Area	ASTM D 5261	g/m ² (oz/yd ²)	136 (4.0)	
Roll Dimension (width x length)	--	M ft	3.8 x 132 (12.5 x 432)	5.3 x 94.2 (17.5 x 309)
Roll Area	--	M ² (yd ²)	502 (600)	502 (600)
Estimated Roll Weight	--	Kg (lb)	81 (180)	81 (180)

(PLEASE NOTE: Mullen Burst Strength ASTM D 3786 is not recognized by ASTM D-35 on Geosynthetics as an acceptable Geosynthetic test methods. Puncture Strength ASTM D 4833 is not recognized by AASHTO M288 and has been replaced with CBR Puncture ASTM D 6241. Starting in 2010 these properties will no longer be published on our TDS.)

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