



RG4 Paving Reinforcing Fabric Technical Data Sheet

Reed & Graham's RG4 is a heat-set, polypropylene geotextile with high asphalt absorption, specifically designed for asphalt overlay applications. RG4 meets the AASHTO M-288-00 specification for paving fabrics. RG4 is inert to biological degradation and resistant to naturally encountered chemicals, alkalis, and acids. RG4 meets the May, 2006 California Department of Transportation Specification Section 88-1.02 for Pavement Reinforcing Fabric and complies with Caltrans Specification 6-1.07.

Mechanical Properties	Test Method	Unit	Minimum Average Roll Value
Grab Tensile Strength	ASTM D 4632-91	kN (lbs)	.45 (101)
Grab Tensile Elongation	ASTM D 4632-91	%	50
Grab Tensile Asphalt Saturation	ASTM D 4632-91, Modified ¹	kN (lbs)	0.89 (200)
Grab Tensile Elongation Asphalt Saturated	ASTM D4632-91, Modified ¹	%	40-70
Mullen Burst Strength	ASTM D 3732-91	kPa(psi)	1378 (200)
Asphalt Retention	ASTM D 6140-00	l/m ² (g/m ²)	1.2 (0.27)
Change in Area Asphalt Saturated	TX Dot 3099	%	+/- 15
Melting Point	ASTM D276-00	°C (°F)	163 (325)
Mass per Unit Area	ASTM D 5261-92	g/m ² (oz/yd ²)	140 (4.1)
UV Resistance after 500 hours	ASTM D 4355-02	% Strength Retained	70

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¹ Modification to procedure: Sample is saturated with Asphalt.

Revised February 23, 2011