



Product Specification – AllianceGeo RGS1010

Product Type: Woven Fiberglass Geogrid with Polyester Nonwoven Geotextile Backing
Geogrid Coating: Modified Polymer

Grid Mechanical Properties	Test method	Units	MD value ¹	XMD value ¹
• Ultimate tensile strength	ASTM D6637-01	kN/m (lbs/in)	100 (570)	100 (570)
• Tensile Elongation at failure	ASTM D6637-01	%	< 3.0	
• Aperture Size ⁽²⁾	Nominal	mm (in)	25 (1.0)	25 (1.0)
• Mass per Unit Area	ASTM D5261	g/m ² (oz/yd ²)	500 (14.6)	
• Melting Point	ASTM D276	°C (°F)	> 250 (>482)	
• Asphalt Retention	ASTM D6140	l/m ² (gal/yd ²)	0.45 (0.10)	

Roll Physical Properties	Units	Value
• Roll Width (standard) ⁽³⁾	m (ft)	1.5 (5.0)
• Roll Length (standard) ⁽³⁾	m (ft)	100 (328)
• Roll Weight (standard) ⁽³⁾	kg (lbs)	58.2 (128)

Notes:

1. Unless indicated otherwise, values shown are Minimum Average Roll Values (MARV) in accordance with ASTM D4759-01
2. Measured centerline to centerline
3. Standard Roll Size, custom roll size available upon request.

DISCLAIMER: Alliance Geosynthetics reserves the right to change its product specifications at any time and without notice. It is the user's responsibility to ensure that this specification is current and that the specified product is appropriate for the application being considered.