

Armatex® RSM PP 50/50

Knitted geocomposite for reinforcement of asphalt pavements and soils

Technical data sheet

Product description

Polymer	Density	Melting Point	Construction
PVA geogrid with PP nonwoven	1.27/0.91 kg/dm ³	200/165 °C	Multifilament/nonwoven

Properties

Mechanical Properties	Standard	Performance	Tolerance
Tensile strength - MD	EN ISO 10319	55 kN/m	-5 kN/m
Tensile strength - CMD	EN ISO 10319	55 kN/m	-5 kN/m
Elongation at maximum load - MD	EN ISO 10319	4 %	+/-1,5 %
Elongation at maximum load - CMD	EN ISO 10319	4 %	+/-1,5 %
Tensile strength at 2% elongation - MD	EN ISO 10319	20 kN/m	
Tensile strength at 2% elongation - CMD	EN ISO 10319	20 kN/m	
Tensile strength at 3% elongation - MD	EN ISO 10319	28 kN/m	
Tensile strength at 3% elongation - CMD	EN ISO 10319	28 kN/m	
Tensile strength at 5% elongation - MD	EN ISO 10319	35 kN/m	
Tensile strength at 5% elongation - CMD	EN ISO 10319	35 kN/m	

Dimensions

Aperture size		n/a	
Weight	EN ISO 9864	267 g/m ²	25 g/m ²
Length (+/- 1%) x width (+/- 1%)		100 x 5,2 m	
Length / diameter of roll			
Gross weight		150 kg	
Truck Load Volume (+/- 10%)		52000 m ³	
Color code		Grey	

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Durability

Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	Annex B	25	
Maximum allowed time between installation and covering of the geosynthetic	EN 12224	2 weeks	

Version n° 1

The Quality Management System of Bonar has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.



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