

Armatex® RSR PP 40/40

Knitted geocomposite for reinforcement of asphalt pavements and soils

Technical data sheet

Product description

Polymer	Density	Melting Point	Construction
PET geogrid/PP nonwoven	1.38/0.91 kg/dm ³	250/165 °C	Multifilament/nonwoven

Properties

Mechanical Properties	Standard	Performance	Tolerance
Tensile strength - MD	EN ISO 10319	45 kN/m	-5 kN/m
Tensile strength - CMD	EN ISO 10319	45 kN/m	-5 kN/m
Elongation at break - MD	EN ISO 10319	10 %	+/-4,5 %
Elongation at break - CMD	EN ISO 10319	10 %	+/-4,5 %
Tensile strength at 2% strain - MD	EN ISO 10319	8 kN/m	
Tensile strength at 2% strain - CMD	EN ISO 10319	8 kN/m	
Tensile strength at 3% strain - MD	EN ISO 10319	10 kN/m	
Tensile strength at 3% strain - CMD	EN ISO 10319	10 kN/m	
Tensile strength at 5% strain - MD	EN ISO 10319	18 kN/m	
Tensile strength at 5% strain - CMD	EN ISO 10319	18 kN/m	

Dimensions

Aperture size		n/a	
Weight	EN ISO 9864	235 g/m ²	20 g/m ²
Length x width		100 x 5,2 m	
Length / diameter of roll		5,25 / 0,34 m	
Gross weight		132 kg	
Truck Load Volume (+/- 10%)		52000 m ²	
Color code		Orange	

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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	1 day	

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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