

Armatex® RSR PP 50/50

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/dm³	250/165 °C	Multifilament/nonwoven

Properties

Geogrid	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	10 %	+/-4,5 %
Elongation at maximum load - CMD	EN ISO 10319	10 %	+/-4,5 %
Tensile strength at 2% elongation - MD	EN ISO 10319	10 kN/m	
Tensile strength at 2% elongation - CMD	EN ISO 10319	10 kN/m	
Tensile strength at 3% elongation - MD	EN ISO 10319	13 kN/m	
Tensile strength at 3% elongation - CMD	EN ISO 10319	13 kN/m	
Tensile strength at 5% elongation - MD	EN ISO 10319	20 kN/m	
Tensile strength at 5% elongation - CMD	EN ISO 10319	20 kN/m	
Nonwoven	Standard	Performance	Tolerance
Water permeability normal to the plane (Vh50)	EN ISO 11058	-	-
Characteristic Opening Size (O90)	EN ISO 12956	-	-
Static puncture resistance (CBR)	EN ISO 12236	-	-
Thickness under 2 kPa	EN ISO 9863-1	-	-
Weight of fleece	EN ISO 9864	(PP) 60 g/m²	-

Dimensions

Weight	EN ISO 9864	277 g/m²	25 g/m²
Length / diameter of roll	5,25 / 0,36 m	Length (+/- 1%) x width	100 x 5,2 m
Gross weight	154 kg	Aperture size	n/a
Truck Load Volume (+/- 10%)	52000 m²	Color code	Orange

1.7.2013

Version date :

Durability

Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	Annex B	25	
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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.



The information set forth in this data sheet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.