

Armatex® M 50/50

Woven geogrid for soil reinforcement

Technical data sheet

Product description

Polymer	Density	Melting Point	Construction
100% polyvinyl alcohol with PVC coating	1,27 kg/dm³	200 °C	Multifilament

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	5 %	+/-2 %
Elongation at maximum load - CMD	EN ISO 10319	5 %	+/-2 %
Tensile strength at 2% elongation - MD	EN ISO 10319	13 kN/m	
Tensile strength at 2% elongation - CMD	EN ISO 10319	13 kN/m	
Tensile strength at 3% elongation - MD	EN ISO 10319	21 kN/m	
Tensile strength at 3% elongation - CMD	EN ISO 10319	21 kN/m	
Tensile strength at 5% elongation - MD	EN ISO 10319	-	
Tensile strength at 5% elongation - CMD	EN ISO 10319	-	

Dimensions

Aperture size		20 x 20 / 35 x 35 mm	
Weight	EN ISO 9864	266 g/m²	+/-25 g/m²
Length (+/- 1%) x width (+/- 1%)		100 x 5 m	
Length / diameter of roll		5,05 / 0,31 m	
Gross weight		143 kg	
Truck Load Volume (+/- 10%)		-	
Color code		Purple	

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Durability

Predicted minimal durability in years in natural soils with 4 < pH < 13,5 and soil temperatures < 25°C	Annex B	25	
Maximum allowed time between installation and covering of the geosynthetic	EN 12224	1 month	

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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