

Armatex® G 55/55

Woven geogrid for soil reinforcement

Technical data sheet

Product description

Polymer	Density	Melting Point	Construction
100% Polyester geogrid with PVC coating	1,38 kg/dm³	250 °C	Multifilament

Properties

Mechanical Properties	Standard	Performance	Tolerance
Tensile strength - MD	EN ISO 10319	60 kN/m	-5 kN/m
Tensile strength - CMD	EN ISO 10319	60 kN/m	-5 kN/m
Elongation at maximum load - MD	EN ISO 10319	12 %	+/-3.5 %
Elongation at maximum load - CMD	EN ISO 10319	12 %	+/-2.5 %
Tensile strength at 2% elongation - MD	EN ISO 10319	9 kN/m	
Tensile strength at 2% elongation - CMD	EN ISO 10319	9 kN/m	
Tensile strength at 3% elongation - MD	EN ISO 10319	11 kN/m	
Tensile strength at 3% elongation - CMD	EN ISO 10319	11 kN/m	
Tensile strength at 5% elongation - MD	EN ISO 10319	14 kN/m	
Tensile strength at 5% elongation - CMD	EN ISO 10319	14 kN/m	

Dimensions

Aperture size		20 x 20 / 35 x 35 mm	
Weight	EN ISO 9864	330 g/m²	-40 g/m²
Length (+/- 1%) x width (+/- 1%)		100 x 5,2 m	
Length / diameter of roll		5,25 / 0,35 m	
Gross weight		192 kg	
Truck Load Volume (+/- 10%)		41600 m³	
Color code		Brown	

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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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