

Geogrid

Secugrid® HS 500/100 R6 LA



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Product description:

Laid geogrid made of high tenacity polyester filaments with an extruded polyethylene protective coating and welded junctions used for the reinforcement in many fields of civil engineering including landfill engineering, road construction and hydraulic engineering

Properties	Test method ¹⁾	Unit	
Raw material (filament)	-	-	polyester/PET
Raw material (coating)	-	-	polyethylene, white
Mass per unit area ³⁾	EN ISO 9864	g/m ²	1,800
Max. tensile strength, md / cmd ²⁾	EN ISO 10319	kN/m	≥ 500 / ≥ 100
Elongation at nominal strength, md / cmd ²⁾	EN ISO 10319	%	≤ 10.5 / ≤ 10.5
Tensile strength ³⁾ at 1% elongation, md ²⁾	EN ISO 10319	kN/m	85
Tensile strength ³⁾ at 2% elongation, md ²⁾	EN ISO 10319	kN/m	120
Aperture size ⁴⁾ , md x cmd ²⁾	-	mm x mm	67 x 53
UV-resistance (remaining tensile strength)	EN 12224	%	≥ 85
Weather resistance	FGSV	class	high
Production specific elongation	-	%	0
Roll width:	-	m	4.75

¹⁾ based on, ²⁾ md = machine direction, cmd = cross machine direction, ³⁾ -10% ⁴⁾ ±20%

The listed technical values are guiding values, achieved in our laboratories and/or independent testing institutes. Our products are subject to changes without prior notice.