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Combigrid® 30/30 Q1 R 201

0799-CPR-20

Description:
Composite of a laid geogrid made of stretched, monolithic polypropylene (PP) flat bars with welded junctions and a mechanical bonded and calendered filter geotextile welded within the geogrid structure, used for the reinforcement in many fields of civil engineering including road construction, landfill and hydraulic engineering.

Property	Test method*	Unit	
Geogrid			
Raw material	-	-	polypropylene (PP), white
Mass per unit area	EN ISO 9864	g/m²	200
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	≥ 30 / ≥ 30
Elongation at nominal strength, md / cmd**	EN ISO 10319	%	≤ 7 / ≤ 7
Tensile strength at 1% elongation, md / cmd**	EN ISO 10319	kN/m	6 / 6
Tensile strength at 2% elongation, md / cmd*	EN ISO 10319	kN/m	12 / 12
Tensile strength at 5% elongation, md / cmd**	EN ISO 10319	kN/m	24 / 24
Aperture size, md x cmd**	-	mm x mm	approx. 32 x 32
Production specific elongation	-	%	0
Geotextile			
Raw material	-	-	polypropylene (PP), white
Mass per unit area	EN ISO 9864	g/m²	≥ 180
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	12.0 / 14.0
Elongation at max. tensile strength, md / cmd**	EN ISO 10319	%	40 / 30
Puncture force	EN ISO 12236	N	≥ 2,160
Characterstic opening size	EN ISO 12956	µm	80
Water permeability - V_{H50}-Index - Flow rate$_{H50}$	EN ISO 11058	 m/s l/(m² s)	 7.5×10^{-2} 75
Detector tested	-	-	yes
Roll dimensions, width x length	-	m x m	4.75 x 100

**based on, **md = machine direction, cmd = cross machine direction*

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