



Combigrid Q6 (PET) Range

Geogrid/Geotextile composite

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

TECHNICAL DATA SHEET

Combigrid Geogrids	Test Standard*	unit	30/30 Q6	40/40 Q6
GEOGRID PROPERTIES				
Raw material	-	-	polyester (PET), transparent	polyester (PET), transparent
Mass per unit area	EN ISO 9864	g/m ²	360	
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	≥ 30 / ≥ 30	≥ 40 / ≥ 40
Elongation at nominal strength, md / cmd**	EN ISO 10319	%	≤ 8 / ≤ 8	≤ 8 / ≤ 8
Tensile strength at 1% elongation, md / cmd**	EN ISO 10319	kN/m	-	-
Tensile strength at 2% elongation, md / cmd**	EN ISO 10319	kN/m	13.5 / 13.5	18 / 18
Tensile strength at 5% elongation, md / cmd**	EN ISO 10319	kN/m	24 / 24	32 / 32
Aperture size, md x cmd**	-	mm x mm	approx. 34 x 34	approx. 34 x 34
Production specific elongation	-	%	0	0
GEOTEXTILES PROPERTIES				
Raw material	-	-	polypropylene (PP), white	polypropylene (PP), white
Mass per unit area	EN ISO 9864	g/m ²	150	150
Characteristic opening size	EN ISO 12956	mm	0.13	0.13
Water permeability	EN ISO 11058	m/s	1.1 x 10	1.1 x 10
		l/sm ²	110	110
Detector tested	-	-	yes	yes
Roll dimensions, width x length	-	m x m	4.75 x 100	4.75 x 100

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

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

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