

CombiGrid

Geogrid/Non-Woven Composite

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Product Description: Composite of a laid geogrid made of stretched, monolithic polypropylene (PP) 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.

PROPERTY	TEST METHOD	UNITS	30/30	40/40	60/60
			MD/TD	MD/TD	MD/TD
Geogrid					
Raw Material			Polypropylene White	Polypropylene White	Polypropylene White
Mass per Unit Area	EN ISO 9864	g/m ²	200	240	360
Max. Tensile Strength	EN ISO 10319	kN/m	≥30/≥30	≥40/≥40	≥60/≥60
Elongation at nominal Strength	EN ISO 10319	%	≤8/≤8	≤8/≤8	≤8/≤8
Tensile Strength at 2% Elongation	EN ISO 10319	kN/m	12/12	16/16	22/22
Tensile Strength at 5% Elongation	EN ISO 10319	kN/m	24/24	32/32	48/48
Aperture Size		mm	32/32	31/31	31/31
Production Specific Elongation		%	0	0	0
Geotextile					
Raw Material			Polypropylene White	Polypropylene White	Polypropylene White
Mass per Unit Area	EN ISO 9864	g/m ²	≥150	≥150	≥150
Max. tensile Strength	EN ISO 10319	kN/m	7.5/11	7.5/11	7.5/11
Elongation at Max Tensile Strength	EN ISO 10319	%	40/30	40/30	40/30
Puncture Force	EN ISO 12236	N	1670	1670	1670
Displacement at Static Puncture Force	EN ISO 12236	mm	30	30	30
Detector Tested			Yes	Yes	Yes
Roll Dimensions		m	4.75 x 100	4.75 x 100	4.75 x 100

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.

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