

SecuGrid® Q1 (PP)

Geogrid

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PRODUCT DESCRIPTION

Laid Geogrid made of stretched, monolithic polypropylene (PP) flat bars with welded junctions used for reinforcement in many fields of civil engineering, road construction and hydraulic engineering.

PROPERTY	TEST METHOD	UNITS	20/20	30/30	40/40	60/60
			MD/TD	MD/TD	MD/TD	MD/TD
Raw Material			Polypropylene (PP) White			
Max. Tensile Strength	EN ISO 10319	kN/m	≥20/ ≥20	≥30/ ≥30	≥40/ ≥40	≥60/ ≥60
Elongation at nominal Strength	EN ISO 10319	%	≤8/ ≤8	≤8/ ≤8	≤8/ ≤8	≤8/ ≤8
Tensile Strength at 2% Elongation	EN ISO 10319	kN/m	8/8	12/12	16/16	22/22
Tensile Strength at 5% Elongation	EN ISO 10319	kN/m	16/16	24/24	32/32	48/48
Radial Stiffness at 0.5%	EN ISO 10319	kN/m	≥494	≥592	≥802	≥900
Aperture Size		mm	33/33	32/32	31/31	31/31
UV - Resistance	EN 12224	%	95.0	95.0	95.0	95.0
Weather Resistance	FGSV	class	high	high	high	high
Production Specific Elongation		%	0	0	0	0
Roll Dimensions		m	4.75 x 100	4.75 x 100	4.75 x 100	4.75 x 100

MD = Machine Direction

TD = Transverse Direction

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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