

Secugrid® Q (PP)



Description:

Laid geogrid made of stretched, monolithic polypropylene (PP) flat bars with welded junctions used for the reinforcement in many fields of civil engineering including landfill engineering, raad construction and hydraulic engineering.

Property	Test method*	Unit	20/20 Q1	30/30 Q1	40/40 Q1	60/60 Q1	80/80 Q1
Raw material	-	-	polypropylene (PP), white				
Mass per unit area	EN ISO 9864	g/m ²	155	200	240	360	440
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	≥ 20 / ≥20	≥30 / ≥30	≥40 / ≥ 40	≥ 60 / ≥60	≥ 80 / ≥ 80
Elongation at nominal strength, md / cmd**	EN ISO 10319	%	7/7				
Tensile strength at 1% elongation, md / cmd**	EN ISO 10319	kN/m	4 / 4	6 / 6	8 / 8	12 / 12	16 / 16
Tensile strength at 2% elongation, md / cmd**	EN ISO 10319	kN/m	8 / 8	12 / 12	16 / 16	22 / 22	25 / 25
Tensile strength at 5% elongation, md / cmd**	EN ISO 10319	kN/m	16 / 16	24 / 24	32 / 32	48 / 48	50 / 50
Aperture size, md x cmd**	-		approx. 33 x 33	approx. 32 x 32	approx. 31 x 31	approx. 31 x 31	approx. 31 x 30
UV-resistance (remaining tensile strength)	EN 12224	%	95.0				
Weather resistance	FGSV	class	high				
Production specific elongation	-	%	0				
Roll dimensions, width x length	-	m x m	4.75 X 100				

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