



Secugrid R6 (PET) Range

Geogrid for superior soil reinforcement

Product Description: Laid uniaxial geogrid made of stretched, monolithic polyester (PET) flat or profile bars with welded junctions used for the reinforcement in many fields of civil engineering including landfill engineering, road construction and hydraulic engineering

TECHNICAL DATA SHEET

Secugrid Geogrids	Test Standard*	unit	40/20 R6	60/20 R6	80/20 R6	120/40 R6	200/40 R6	400/40 R6	
PROPERTIES									
Raw material	-	-	polyester (PET), transparent						
Mass per unit area	EN ISO 9864	g/m ²	285	420	380	580	810	1420	
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	≥ 40 / ≥ 20	≥ 60 / ≥ 20	≥ 80 / ≥ 20	≥ 120 / ≥ 40	≥ 200 / ≥ 40	≥ 400 / ≥ 40	
Elongation at nominal strength, md / cmd**	EN ISO 10319	%	≤ 8 / ≤ 8						
Tensile strength at 1% elongation, md / cmd**	EN ISO 10319	kN/m	8	12	16	24	40	80	
Tensile strength at 2% elongation, md / cmd**	EN ISO 10319	kN/m	14	21	28	42	70	140	
Tensile strength at 5% elongation, md / cmd**	EN ISO 10319	kN/m	28	42	56	84	140	280	
Aperture size, md x cmd**	-	mm x mm	approx. 73 x 31	approx. 73 x 31	approx. 73 x 30	approx. 71 x 28	approx. 71 x 25	approx. 71 x 14	
UV resistance (remaining tensile strength)	EN 12224	%	96.3						
Weather resistance	FGSV	class	high	high	high	high	high	high	
Production specific elongation	-	%	0	0	0	0	0	0	
Roll dimensions, width x length	-	m x m	4.75 x 100					4.75 x 50	

*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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