

Geogrid

Secugrid® Q (PES/PET)

Product description:

Laid 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



NAUE GmbH & Co. KG
Gewerbstrasse 2
32339 Espelkamp-Fiestel
Germany



Phone: +49 5743 41-0 Fax: +49 5743 41-240
E-Mail: info@naue.com Internet: www.naue.com

Property	Test method*	Unit	30/30 Q6	40/40 Q6	60/60 Q6	80/80 Q6
Raw material	-	-	polyester/PET, transparent			
Mass per unit area	EN ISO 9864	g/m ²	320	360	620	675
Max. tensile strength, md / cmd**	EN ISO 10319	kN/m	≥ 30 / ≥ 30	≥ 40 / ≥ 40	≥ 60 / ≥ 60	≥ 80 / ≥ 80
Elongation at nominal strength, md / cmd**	EN ISO 10319	%	≤ 8 / ≤ 8			
Tensile strength at 1% elongation, md / cmd**	EN ISO 10319	kN/m	7,5 / 7,5	10 / 10	15 / 15	20 / 20
Tensile strength at 2% elongation, md / cmd**	EN ISO 10319	kN/m	13.5 / 13.5	18 / 18	27 / 27	36 / 36
Tensile strength at 5% elongation, md / cmd**	EN ISO 10319	kN/m	24 / 24	32 / 32	48 / 48	64 / 64
Aperture size, md x cmd**	-	mm x mm	approx. 34 x 34	approx. 34 x 33	approx. 32 x 31	approx. 30 x 30
UV-resistance (remaining tensile strength)	EN 12224	%	96.3			
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

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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Secugrid Q6 - R6.xlsx 30', 40', 60', 80' Q6_e



¡Contáctanos!

info@ldm.la www.ldm.la

USA +1 480 894 5232

MÉXICO +52 662 108 0020

COLOMBIA +57 601 829 5511

PANAMÁ +507 2 308 7585