



Enkagrid[®] PRO

Geogrid for soil reinforcement

PRODUCT DATA

Type		PRO 40	PRO 60	PRO 90	PRO 120	PRO 180	
Polymer		PET					
Properties ^[1]							
Tensile strength MD ^[2]	EN ISO 10319	kN/m	44 (- 4)	70 (- 6)	105 (- 7)	127 (- 7)	199 (- 9)
Strain at nominal strength	EN ISO 10319	%	≤ 6	≤ 6	≤ 6	≤ 6	≤ 6
Strength at 2.0% strain	EN ISO 10319	kN/m	17 (- 2)	26 (- 3)	42 (- 6)	48 (- 6)	72 (- 4)
Strength at 5.0% strain	EN ISO 10319	kN/m	33 (- 3)	51 (- 6)	81 (- 6)	87 (- 7)	140 (- 7)

Dimensions							
Aperture size A x B ^{[3][6]}		mm	111 x 41	111 x 37	111 x 35	111 x 34	111 x 34
Unit weight ^[6]		g/m ²	220	280	390	440	640
5.00 m wide product							
Length x width		m	5.0 x 100	5.0 x 100	5.0 x 100	5.0 x 100	5.0 x 100
Length / diameter of roll		m	5.05 / 0.36	5.05 / 0.39	5.05 / 0.42	5.05 / 0.45	5.05 / 0.52
Gross weight ^{[4][6]}		kg	126	156	211	235	335
Color code ^{[5][6]}			white + yellow	white + green	white + blue	white + grey	white + black
2.45 m wide product							
Length x width		m	2.45 x 50	2.45 x 50	2.45 x 50		
Length / diameter of roll		m	2.5 / 0.29	2.5 / 0.30	2.5 / 0.32		
Gross weight ^{[4][6]}		kg	34	43	56		
Color code ^[5]			white + yellow	white + green	white + blue		

[1] 95% confidence level = mean + tolerance

[2] indicative strength in cross machine direction: 28 kN/m

[3] A = Aperture size longitudinal direction; B = Aperture size transverse direction

[4] Gross weight = geogrid + core + packaging

[5] According to EN ISO 10320: Identification on site

[6] Individual values may vary



The information set forth in this data sheet reflects the best knowledge at the time of publication. The document is subject to change pursuant to new developments and findings. The same reservation applies to the properties of the products described. No liability is undertaken for results obtained by usage of the products and information.

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