



GEOSYNTHETICS LTD TECHNICAL DATA SHEET

ENKAGRID® MAX

30C/M110PP Geocomposite for soil stabilization

Product Description			
Polymer	Density	Melting Point	Construction
PP geogrid/PP nonwoven	0,91 kg/dm ³	165 °C	grid/nonwoven

Properties			
Mechanical Properties	Standard		Performance
Nominal tensile strength - MD/CMD	EN ISO 10319	kN/m	≥30
Elongation at nominal strength - MD/CMD	EN ISO 10319	%	≤7
Tensile strength at 1% elongation - MD/CMD	EN ISO 10319	kN/m	7
Tensile strength at 2% elongation - MD/CMD	EN ISO 10319	kN/m	12
Tensile strength at 5% elongation - MD/CMD	EN ISO 10319	kN/m	24

Non woven	Standard		Performance
Weight of fleece	EN ISO 9864	g/m ²	≥100
Characteristic Opening Size (O90)	EN ISO 12956	µm	115
Water permeability normal to the plane (Vlh50)	EN ISO 11058	mm/s	108
Static puncture resistance (CBR)	EN ISO 12236	kN	1,5

Nominal strength represents the 95% confidence limit

This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentation. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge becomes available. Since we cannot anticipate all variations in actual end use conditions, Geosynthetics Limited makes no warranties and assumes no liabilities in connection with this information. Nothing in this publication is to be considered as a licence to operate under or a recommendation to infringe any patent right.



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Dimensions

Aperture size		mm	41 x 40
Weight	EN ISO 9864	g/m ²	290
Length x width		m	100 x 5
Length / diameter of roll		m	5,1 / 0,49
Gross weight		kg	158
Truck Load Volume (+/-)		m ²	27000
Color code	ISO 10320		orange green

Durability

Predicted minimal durability in years in natural soils with 4 < pH < 9 and soil temperatures < 25°C	Applicable application standard: Annex B	100
Maximum allowed time between installation and covering of the geosynthetic	EN 12224	2 weeks

ISO 9001:

The Quality Management System of Freudenberg Performance Materials has been approved to the ISO 9001 Quality Management System Standard. Certificates are available on request.

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