

POLYGRID- PT1025-GC

FIBRE GLASS GEOCOMPOSITE

PT SERIES GEOCOMPOSITE IS A FIBRE GLASS GEOGRID WITH A POLYMER MODIFIED COATING, BONDED TO A NONWOVEN GEOTEXTILE AND MEETS THE REQUIREMENTS OF EN15381.

PROPERTY	Metric	Imperial	Test Method
Tensile strength Ultimate (MD* X CD ⁺) min	115 X 115 - 15 kN/m	655 X 655 - 85 lbs/in	ASTM D6637 EN-ISO 10319
Tensile Elongation Ultimate (MD* X CD ⁺)	2.5 +/- 1%	2.5 +/- 1%	ASTM D6637 EN-ISO 10319
Tensile resistance @2% Strain (MD* X CD ⁺)	95 x 95 +/- 20 kN/m	542 x 542 +/- 115 lbs/in	ASTM D6637 EN-ISO 10319
Secant Stiffness EA @1% Strain(MD* X CD ⁺)	4600 x 4600 +/- 600 N/mm	26,265 x 26,265 +/- 3425 lbs/in	ASTM D6637 EN-ISO 10319
Young Modulus	73 GPa	10.6 x 10 ⁶ psi	
Mass per Unit Area	≥ 555 g/m ²	≥ 16.4 oz/yd ²	ASTM D5261 ISO 9864
Asphalt Retention	0.9 l/m ²	0.2 gal/yd ²	ASTM D6140 EN15381 Annex C
Melting point of Glass	≥ 820° C	≥ 1508° F	ASTM C338
Melting point of Coating	≥ 232° C	≥ 450° F	ASTM D276 EN ISO 3146
Grid Size (Center to Center of Strand)	12.5 X 12.5 mm / 25 X 25 mm	0.5 X 0.5 inch / 1 X 1 inch	
Roll Length	60 m	197 ft	
Roll Width	1.5 m	5ft	
Roll Area	90 m ²	108 yd ²	

- “*” MD: Machine Direction “+” CD: Cross Direction.
1. The Grid opening has a 10% tolerance. We can give a different size after understanding the need and discussing with the Technical team.
 2. The standard roll width is 1.5m but can be given up to 3m maximum. The standard length is 60m but can be altered as per requirement.
 3. 100% polypropylene nonwoven geotextiles are used in Geocomposite GC, on request we can use other type of nonwoven geotextiles.

ARVIND
Advanced Materials



ISO 9001: 2015
Certified



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