

# POLYGRID- PT525-GCL

## 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 <sup>+</sup> ) min	55 X 55 - 5 kN/m	313 X 313 - 28 lbs/in	ASTM D6637 EN-ISO 10319
Tensile Elongation Ultimate (MD* X CD <sup>+</sup> )	2.5 +/- 1%	2.5 +/- 1%	ASTM D6637 EN-ISO 10319
Tensile resistance @2% Strain (MD* X CD <sup>+</sup> )	46 x 46 +/- 10 kN/m	265 x 265 +/- 57 lbs/in	ASTM D6637 EN-ISO 10319
Secant Stiffness EA @1% Strain(MD* X CD <sup>+</sup> )	2200 x 2200 +/- 200 N/mm	12560 x 12560 +/- 1140 lbs/in	ASTM D6637 EN-ISO 10319
Young Modulus	73 GPa	10.6 X 10 <sup>6</sup> psi	
Mass per Unit Area	≥ 260 g/m <sup>2</sup>	≥ 7.7 oz/yd <sup>2</sup>	ASTM D5261 ISO 9864
Asphalt Retention	0.35 l/m <sup>2</sup>	0.08 gal/yd <sup>2</sup>	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)	25 x 25 mm	1.0 x 1.0 in	
Roll Length	150 m	492 ft	
Roll Width	1.5 m	5ft	
Roll Area	225 m <sup>2</sup>	269 yd <sup>2</sup>	

- “\*” 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 150m but can be altered as per requirement.
  3. 100% PP / Polyester nonwoven geotextiles are used in Geocomposite GCL, on request we can use other type of nonwoven geotextiles.



ISO 9001: 2015  
Certified



POLYON TEXTILES PVT. LTD.

[www.polyontextiles.com](http://www.polyontextiles.com)

Email: [polyon@polyontextiles.com](mailto:polyon@polyontextiles.com)

This data is provided for informational purposes only. Polyon Textiles Pvt Ltd makes no warranties as to the suitability or the fitness for a specific use or merchantability of the products referred to, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability from resulting loss or damages. This information is subject to change without notice.