

PT 525 GCL - FIBERGLASS GEOCOMPOSITE

PT SERIES GEOCOMPOSITE is a coated fiberglass geogrid bonded to a nonwoven geotextile, developed for asphalt reinforcement applications in highways, roads and airports, and meets the requirements of EN 15381.

PROPERTY	Metric	Imperial	Test Method
Tensile Strength Ultimate (MD* X CD*) min	55 X 55 - 5 kN/m	313 X 313 - 28 lbs./in	ASTM D6637 EN ISO 10319
Tensile Elongation Ultimate (MD* X CD*)	2.0 ±1%	2.0 ±1%	ASTM D6637 EN ISO 10319
Tensile Resistance at 2% Strain (MD* X CD*)	46 x 46 ± 10 kN/m	265 x 265 ± 57 lbs./in	ASTM D6637 EN ISO 10319
Secant Stiffness EA at 1% Strain (MD* X CD*)	2200 x 2200 ± 200 N/mm	12560 x 12560 ± 1140 lbs./in	ASTM D6637 EN ISO 10319
Young's Modulus	81 GPa	11.8 X 10 ⁶ psi	
Mass per Unit Area	≥ 240 g/m ²	≥ 7.1 oz./yd ²	ASTM D5261 ISO 9864
Asphalt Retention	0.35 l/m ²	0.08 gal/yd ²	ASTM D6140 EN15381Annex C
Melting Point of Glass	≥ 820° C	≥ 1508° F	ASTM C338
Type of Coating	Polymeric Coating		
Melting Point of Coating	≥ 232° C	≥ 450° F	ASTM D276 EN ISO 3146
Grid Size (Center to Center of Strands)	25 x 25 mm	1.0 x 1.0 in	
Roll Length	150 m	492 ft.	
Roll Width	1.0 m to 4.0 m	3.0 ft. to 13.0 ft.	
Roll Area	150 m ² to 600 m ²	179 yd ² to 718 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. Standard roll widths are available from 1.0 m to 4.0 m. The standard length is 150m but can be altered as per requirement.
3. PT 525 GCL incorporates a 40 g/m², 100% PP nonwoven geotextile. Other nonwoven geotextile types and weights are available upon request.



**ISO 9001: 2015
Certified**

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