

PT 2025 GCM - 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	115 X 215 - 15 kN/m	655 X 1230 - 85 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⁺)	95 x 180 ± 20 kN/m	542 x 1030 ± 115 lbs./in	ASTM D6637 EN ISO 10319
Secant Stiffness EA at 1% Strain (MD* X CD⁺)	4600 x 8600 ± 600 N/mm	26265 x 49110 ± 3425 lbs./in	ASTM D6637 EN ISO 10319
Young's Modulus	81 GPa	11.8 x 10 ⁶ psi	
Mass per Unit Area	≥ 720 g/m ²	≥ 21.2 oz./yd ²	ASTM D5261 ISO 9864
Asphalt Retention	0.75 l/m ²	0.17 gal/yd ²	ASTM D6140 EN15381Annex C
Melting Point of Glass	≥ 820° C	≥ 1508° F	ASTM C338
Type of Coating	Polymer Modified Bitumen Coating		
Melting Point of Coating	≥ 232° C	≥ 450° F	ASTM D276 EN ISO 3146
Grid Size (Center to Center of Strands)	12.5 X 12.5 mm / 25 X 19 mm	0.5 X 0.5 inch / 1 X 0.75 inch	
Roll Length	60 m	197 ft.	
Roll Width	1.0 m to 4.0 m	3.0 ft. to 13.0 ft.	
Roll Area	60 m ² to 240 m ²	72 yd ² to 287 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 60m but can be altered as per requirement.
3. PT 2025 GCM incorporates a 100 g/m², 100% PP nonwoven geotextile. Other nonwoven geotextile types and weights are available upon request.



**ISO 9001: 2015
Certified**

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