

PT 525 – FIBERGLASS GEOGRID

PT SERIES GEOGRID is a coated fiberglass geogrid 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 @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	≥ 200 g/m ²	≥ 5.7 oz./yd ²	ASTM D5261 ISO 9864
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)	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.



**ISO 9001: 2015
Certified**

This data is provided for informational purposes only. Axion Advance Materials 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.

AXION ADVANCE MATERIALS PRIVATE LIMITED

Regd. Office: 201, 2nd Floor, “ANIKET”, C. G. Road, Navrangpura, Ahmedabad – 380 009, India
T. No. +91-79-26402429, 26468752, Email: inquiries@axionmaterials.com, Website www.axionmaterials.com