POLYGRID- PT525

FIBRE GLASS GEOGRID

PT SERIES GEOGRID IS A FIBREGLASS GEOGRID WITH A POLYMER MODIFIED COATING DEVELOPED FOR APPLICATION IN ASPHALT REINFORCEMENT IN HIGHWAYS AND AIRPORTS, AND MEETS THE REQUIREMENTS OF EN15381.

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+)	2.5 +/- 1%	2.5 +/- 1%	ASTM D6637 EN-ISO 10319
Tensile resistance @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 Modulus	73 GPa	10.6×10^6 psi	
Mass per Unit Area	≥ 225 g/m²	≥ 6.5 oz/yd²	ASTM D5261 ISO 9864
Melting point of Glass	≥ 820° C	≥ 1508° F	ASTM C338
Melting point of Coating	≥ 232° C	≥ 450° F	ASTM D276 EN 1SO 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 m²	269 yd²	

- "*" 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. The standard Geogrid is also available with: Geogrid + Self Adhesive (Pressure Sensitive Adhesive). The adhesive used in the PT type Geogrid is "self-adhesive"; this special glue is activated by a simply pressure during installation operations.

ARVIND Advanced Materials

CE

ISO 9001: 2015 Certified

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