

# POLYGRID- PT2025

## 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 <sup>+</sup> ) min | 115 X 215<br>- 15 kN/m         | 655 X 1230<br>- 85 lbs/in          | ASTM D6637<br>EN-ISO 10319 |
| Tensile Elongation Ultimate (MD* X CD <sup>+</sup> )   | 2.5 +/- 1%                     | 2.5 +/- 1%                         | ASTM D6637<br>EN-ISO 10319 |
| Tensile resistance @2% Strain (MD* X CD <sup>+</sup> ) | 95 x 180<br>+/- 20 kN/m        | 542 x 1030<br>+/- 115 lbs/in       | ASTM D6637<br>EN-ISO 10319 |
| Secant Stiffness EA @1% Strain(MD* X CD <sup>+</sup> ) | 4600 x 8600<br>+/- 600 N/mm    | 26,265 x 49,110<br>+/- 3425 lbs/in | ASTM D6637<br>EN-ISO 10319 |
| Young Modulus  | 73 GPa                         | 10.6 X 10 <sup>6</sup> psi         |                            |
| Mass per Unit Area                                     | ≥ 660 g/m <sup>2</sup>         | ≥ 19.4 oz/yd <sup>2</sup>          | ASTM D5261<br>ISO 9864     |
| Melting point of Glass                                 | ≥ 820° C                       | ≥ 1508° F                          | ASTM C338                  |
| Melting point of Coating                               | ≥ 232° C                       | ≥ 450° F                           | ASTM D276<br>EN ISO 3146   |
| Grid Size (Center to Center of Strand)                 | 12.5 X 12.5 mm<br>/ 25 X 19 mm | 0.5 X 0.5 inch /<br>1 X 0.75 inch  |                            |
| Roll Length  | 60 m                           | 197 ft                             |                            |
| Roll Width   | 1.5 m                          | 5 ft                               |                            |
| Roll Area  | 90 m <sup>2</sup>              | 108 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 60m 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.



ISO 9001: 2015  
Certified



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