

HTC 38/38-80

Carbon Grid Reinforcement

Heavy Grid | High structural capacity | Service temp. up to 80 °C | Corrosion-free

Overview

Bidirectional carbon fiber grid made of 2 × 50K rovings in both longitudinal and transverse directions.

Designed for TRC applications requiring high structural tensile capacity and durability under demanding infrastructure conditions. Suitable for bridge components, structural strengthening, infrastructure elements, and load-bearing thin concrete sections.



Technical Data

| Property | Value | Unit | Test method |
|------------------------------------|---------------------|--------------------|-----------------|
| Material (lengthwise) | Carbon 2 x 50K | - | - |
| Material (crosswise) | Carbon 2 x 50K (UW) | - | - |
| Density of carbon fiber | 1.81 | g/cm ³ | - |
| Binding thread | | - | - |
| Weight (uncoated / coated) approx. | 345 / 450 | g/m ² | - |
| Threads per meter (L / C) | 23 / 23 | threads/m | - |
| Cross-sectional area (L / C) | 94 / 94 | mm ² /m | - |
| Grid opening | 38 × 38 | mm | |
| Tensile strength (L / C) | 249 / 249 | kN/m | DIN EN ISO 3341 |
| Tensile strength (fiber) (L / C) | 2650 / 2650 | N/mm ² | DIN EN ISO 3341 |
| Strain at break (L / C) | 1.40 / 1.40 | % | DIN EN ISO 3341 |
| Impregnation / Coating | Acrylate | - | - |
| Max. service temperature | 80 | °C | - |
| Roll width | 300 | cm | - |
| Roll length | Custom | - | - |

DISCLAIMER: Technical data is based on current product specifications. Users are responsible for verifying suitability for the intended application. Product specifications may change without notice. Current Terms and Conditions apply.