

WOVEN FABRIC

Product Description: **GG-416 T**
Carbon Fabric

| CHARACTERISTICS | NOMINAL | UM | TOLERANCE | NORMATIVE |
|--------------------|-------------------|------------------|-----------|---------------|
| Mass unit per area | 408 | g/m ² | 5,0% | ISO 3374 |
| Weave | 2X2 Twill | | | ISO 2113 |
| Width | from 1000 to 1350 | mm | 2,5% | ISO 22198 |
| Thickness | 0,39 | mm | 5,0% | ISO 5084 (**) |
| Other informations | Loomstate | | | |

| NOMINAL CONSTRUCTION | WARP | | WEFT | |
|---------------------------------|----------------------|----------|----------------------|--------------------|
| 1st fiber description | 12K CARBON FIBER | | 12K CARBON FIBER | |
| 1st fiber producer | | | | |
| 2nd fiber description | | | | |
| 2nd fiber producer | | | | |
| Thread count - 1st fiber | 2,50 ends/cm ±2% | ISO 4602 | 2,60 ends/cm ±2% | ISO 4602 |
| Thread count - 2nd fiber | | | | |
| Weight distribution - 1st fiber | 200 g/m ² | 49,0% | 208 g/m ² | 51,0% |
| Weight distribution - 2st fiber | | | | |
| Weight distribution | 49,0% | | 51,0% | |
| Selvages | Weaving style | LENO | Type of fiber | HM polyster 22 tex |

| MECHANICAL PROPERTIES OF FIBER | STRENGHT (nominal) | MODULUS (nominal) |
|--------------------------------|--------------------|-------------------|
| 12K CARBON FIBER | >4400 MPa | >230 GPa |
| | | |
| | | |

(**) Theoretical thickness for an epoxy laminate with 40% of reinforcement in volume.

Note: Technical information furnished is based on laboratory findings and believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of products, as well as compliance with applicable legal restrictions, rests with the user.

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