



Innovative Tex

High Tech fiber & Metal wires
Hybrid Fabrics

TEXTILE DATA SHEET

G. Angeloni
REFERENCE

GGCu 300 T - RED

| CHARACTERISTICS | | Nominal | Tolerance | Normative |
|---------------------------|------------------|------------------|------------------|------------------|
| Mass per unit area | g/m ² | 300 | ± 5% | ISO 4605 |
| Weave | | 2x2 Twill | | ISO 2113 |
| Width | mm | 1000/1200 | ± 2,5% | ISO 22198 |
| Thickness | mm | 0,305 | ± 2,5% | ISO 5084(**) |
| Other informations | | <i>Loomstate</i> | | |

| Nominal Construction | | WARP | | WEFT | |
|-----------------------------|------------------|---|----------|--|---------------------|
| Fiber Description | | HR Carbon Fiber Grafil TR30 - S - 3K 200 tex | | Textile RED colored wire CU/Ag5 wire - 0,15 Grafil TR30 - S - 3K 200 tex | |
| Fiber Producer | | Mitsubishi Grafil | | Mitsubishi Grafil | |
| Thread Count | ends/cm | 7,00 | ISO 4602 | 9,00 | ISO 4602 |
| Weight Distribution | g/m ² | Grafil TR30 - S - | 140 | CU/Ag5 wire - | 96 |
| | % | 3K 200 tex | 100% | 0,15 | 62% |
| | g/m ² | | | Grafil TR30 - S - | 60 |
| | % | | | 3K 200 tex | 38% |
| Weight Rate | % | 47% | | 53% | |
| Selvages | | Weaving style | LENO | Type of Fiber | HM polyester 22 tex |

| Mechanical Properties of Fiber | Strength (nominal) | Modulus (nominal) |
|---------------------------------------|-----------------------------|----------------------------|
| Mitsubishi Grafil TR30-S 200 tex | 3530 Mpa | 230 GPa |
| | | |

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

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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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