



TECHNICAL DATA SHEET

CEBXS800

Biaxial fabric 0°90° in Carbon fiber and E-Glass

| Layer | Angle Tolerance | Fiber | Plan | Tex | Areal Weight gr/M ² | Tolerance |
|-------|-----------------|--------------------------------------|------|----------|--------------------------------|-----------|
| 0° | - | Polyester yarn | L4 | 8,0 | 9 | ±5% |
| 0° | ±1° | E-Glass: NEG Type 2002 or equivalent | L4 | 2400-600 | 292 | ±5% |
| 0° | ±1° | Carbon: Toray T700SC FOE 24K | L4 | 1650 | 190 | ±5% |
| 90° | ±1° | E-Glass: NEG Type 2002 or equivalent | L4 | 600 | 193 | ±5% |
| 90° | ±1° | Carbon: Toray T700SC FOE 12K | L4 | 800 | 120 | ±5% |
| | | TOTAL gr/M ² | - | - | 804 | ±5% |

Characteristics for fabric

| | | | |
|---|--------------------------------|------|-----------------------|
| Lunghezza rotolo - standard roll length: | LM | 50 | ±1 LM |
| Larghezza rotolo - standard roll width: | MM | 1270 | ± 20mm |
| Peso netto rotolo - net roll weight: | KG | 51,0 | ± 2,55Kg |
| Tolleranza sulla grammatura – areal weight tolerance: | Gr/M ² | ±5% | ± 40gr/M ² |
| Grammatura teorica – theoretical areal weight: | Gr/M ² | 804 | |
| Identificazione rotolo - ident roll: | CEBXS800 | | |
| Tipo di legatura - knitting type: | Tricot | | |
| Filo di legatura – stitch yarn: | Polyester, texturated, 8.0 tex | | |

Characteristics for filament yarn

| | | |
|--|---------------------------|--------------------------------|
| Tipo fibra – Type: | Torayca T700SC FOE | NEG Roving 2002 |
| Size amount: | 0,7 % | 0.55 – 0.65 % |
| Densità volumetrica – Volumetric density: | g/cm ³ 1.80 | gr/cm ³ 2.59 – 2.62 |
| Nr. filamenti – Number of filaments: | 12000 (12K) – 24000 (24K) | - |
| Carico di rottura a trazione – Tensile strength: | Mpa 4900* | Mpa 1900* |
| Modulo a trazione – Tensile modulus: | Gpa 230* | Gpa 69 – 76* |
| Allungamento a rottura – Elongation at break: | 2,2 – 2,4 %* | 3.5 - 4 %* |

* All these informations can be used for material selection purposes only.

Fregona li 23/09/20

TECHNICAL MANAGER
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