



SELCOM

Multiaxial Technology

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MULTIAXIAL TECHNOLOGY (NCF)
 unidirectional & stitched multiaxial fabrics in
 glass, carbon, aramid... and hybrids for the
 composite industry

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Technical Data Sheet

| | |
|---|-------------------------------|
| PRODUCT NAME EBXS1600 – E10 | Rif. Azimut 007020130 |
| Biaxial fabric 0° 90° in “E” glass | Cod. Atlantis 900086915000000 |

| layers | angle | fibre | plan | tex | areal weight | areal weight |
|-------------------------|-----------|---------------------------|------|------|-------------------|--------------|
| | tolerance | | | | gr/m ² | tolerance |
| 0° | - | Polyester yarn | L5 | 8,3 | 9 | ± 3 % |
| 0° | ± 1° | E glass : PPG roving 2002 | L5 | 2400 | 656 | ± 3 % |
| 0° | ± 1° | E glass : PPG roving 2002 | L5 | 1200 | 144 | ± 3 % |
| 90° | ± 1° | E glass : PPG roving 2002 | L5 | 1200 | 800 | ± 3 % |
| TOTAL gr/m ² | | | | | 1609 | ± 3 % |

Characteristics for fabric

| | |
|---|----------------------------------|
| lunghezza rotolo - standard roll length: | mtl 45 ± 1 mtl |
| larghezza rotolo - standard roll width: | mm 1270 ± 10 mm |
| peso netto rotolo - net roll weight: | Kg. 92,0 ± 3 % |
| tolleranza sulla grammatura - areal weight tolerance: | ± 3 % (± 48 gr/m ²) |
| grammatura teorica - theoretical areal weight: | gr/m ² 1609 |
| nome articolo - product name: | EBXS1600 – E10 |
| filo colorato di identificazione - tracer yarn: | nessun filo colorato |
| tipo di legatura - knitting type: | tricot |
| filo di legatura - stitch yarn: | polyester, texturated, 8,3 tex |

Characteristics for filament yarn

| | |
|---|-----------------------------------|
| tipo fibra - type: | PPG Roving 2002 |
| binder content : | 0.55 – 0.65 % [nominal] |
| densità volumetrica - volumetric density: | gr/cm ³ 2.59 – 2.62 |
| diamentro filamento - filament diameter: | µm 17 [2400 - 1200 tex] |
| resistenza a trazione - tensile strength: | Mpa 1900 – 2400 [ASTM D-2343] * |
| modulo a trazione - tensile modulus: | Gpa 69 – 76 [ASTM D-2343] * |
| allungamento a rottura - elongation at break: | 3.5 - 4 % |

*Determined from resin impregnated rovings according to ASTM D-2343. These informations can be used for material selection purposes only.

Fregona lì 04/04/13

Quality Assurance
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DNV

TYPE APPROVED PRODUCT – CERTIFICATE NO. K-4016

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