



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 ETXL400V30-SBIL | Code 01500000455 |
| Triaxial fabric 0°±45° in "E" glass stitched with a glass veil | |

| layers | angle | fiber | plan | tex | areal weight | areal weight |
|--------|-----------|---|------|---------|--------------|--------------|
| | tolerance | | | | gr/m² | tolerance |
| 0° | - | Polyester yarn | L2 | 8,3 | 13 | ± 3 % |
| 0° | ± 1° | E glass : PPG Roving 2002 or equivalent | L2 | 600-300 | 200 | ± 3 % |
| +45° | ± 1° | E glass : PPG Roving 2002 or equivalent | L2 | 200 | 106 | ± 3 % |
| -45° | ± 1° | E glass : PPG Roving 2002 or equivalent | L2 | 200 | 106 | ± 3 % |
| random | - | E glass : OCV veil M524 | M2 | - | 30 | ± 3 % |
| | | TOTAL gr/m² | - | - | 455 | ± 3 % |

Characteristics for fabric

| | |
|---|--------------------------------|
| lunghezza rotolo - standard roll length: | mtl 50 ± 1 mtl |
| larghezza rotolo - standard roll width: | mm 1270 ± 10 mm |
| peso netto rotolo - net roll weight: | Kg. 29,0 ± 3 % |
| tolleranza sulla grammatura - areal weight tolerance: | ± 3 % (± 14 gr/m²) |
| grammatura teorica - theoretical areal weight: | gr/m² 455 |
| identificazione rotolo - ident roll: | ETXL400V30-SBIL |
| 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) |
| produttore - manufacturer: | PPG Industries |
| densità volumetrica - volumetric density: | gr/cm³ 2.59 - 2.62 |
| 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 % |

* According to ASTM D-2343. All these informations can be used for material selection purposes only.
Fregona li 23/02/16

Quality Assurance
Ing. Giovanni Fardin

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DNV

TYPE APPROVED PRODUCT - CERTIFICATE NO. K-5807

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