



SELCOM

Multiaxial Technology

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

internet: www.selcom-srl.com

Technical Data Sheet

| | |
|--|------------------|
| PRODUCT NAME EBX400 | Code 01200000411 |
| Biaxial fabric $\pm 45^\circ$ in "E" glass | |

| layers | angle tolerance | fiber | plan | tex | areal weight | areal weight |
|-------------------------|--------------------|---------------------------|------|-----|-------------------|--------------|
| | | | | | gr/m ² | tolerance |
| 0° | - | Polyester yarn | L2 | 8,0 | 8 | $\pm 3\%$ |
| - 45° | $\pm 1^\circ$ | E glass : NEG Roving 2002 | L2 | 300 | 201,5 | $\pm 3\%$ |
| + 45° | $\pm 1^\circ$ | E glass : NEG Roving 2002 | L2 | 300 | 201,5 | $\pm 3\%$ |
| TOTAL gr/m ² | | | | | 411 | $\pm 3\%$ |

Characteristics for fabric

| | |
|---|--|
| lunghezza rotolo - standard roll length: | mtl 50 \pm 1 mtl |
| larghezza rotolo - standard roll width: | mm 1270 \pm 10 mm |
| peso netto rotolo - net roll weight: | Kg. 26 \pm 3 % |
| tolleranza sulla grammatura - areal weight tolerance: | $\pm 3\%$ (± 12 gr/m ²) |
| grammatura teorica - theoretical areal weight: | gr/m ² 411 |
| identificazione rotolo - ident roll: | EBX400 |
| tipo di legatura - knitting type: | catenella - pillar |
| filo di legatura - stitch yarn: | polyester, texturated, 8,0 tex |

Characteristics for filament yarn

| | |
|---|-----------------------------------|
| tipo fibra - type: | NEG Roving 2002 |
| binder content: | 0.55 - 0.65 % (nominal) |
| produttore - manufacturer: | Nippon Electric Glass fiber |
| densità volumetrica - volumetric density: | gr/cm ³ 2.59 - 2.62 |
| diametro filamento - filament diameter: | μ m 14 |
| 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 % |

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

Fregona lì 01/07/19

Technical Manager
 Ing. Giovanni Fardin

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TYPE APPROVED PRODUCT - CERTIFICATE NO. K-5807



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