



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 EBX300 : Biaxial fabric $\pm 45^\circ$ in "E" glass Code 01200000325

layers	angle	fiber	plan	tex	areal weight	areal weight
	tolerance				gr/m ²	tolerance
0°	-	Polyester yarn	L2 - L6	8,3	8	± 3 %
- 45°	± 1°	E glass : PPG Roving 2002	L2 - L6	300	152	± 3 %
90°	± 1°	E glass : PPG yarn 136 tex	L2 - L6	136	13	± 3 %
+ 45°	± 1°	E glass : PPG Roving 2002	L2 - L6	300	152	± 3 %
		TOTAL gr/m ²	-	-	325	± 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. 21 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % (± 10 gr/m ²)
grammatura teorica - theoretical areal weight:	gr/m ² 325
identificazione rotolo - ident roll:	EBX300
tipo di legatura - knitting type:	catenella - pillar
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/cm ³ 2.59 - 2.62
diamentro filamento - filament diameter:	µm 9 [136 tex] - µm 14 [300 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 %

*According to ASTM D-2343. These informations can be used for material selection purposes only.

Fregona, 02/12/14

Quality Assurance

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Ing. Giovanni Fardin

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TYPE APPROVED PRODUCT - CERTIFICATE NO. K-5807



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ISO 9001:2008

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