



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 EBX600 HD	Code 01200000618
Biaxial fabric $\pm 45^\circ$ in "E" glass	

layers	angle tolerance	fiber	plan	tex	areal weight gr/m ²	areal weight tolerance
0°	-	Polyester yarn	L6	8,3	6	$\pm 3 \%$
+ 45°	$\pm 1^\circ$	E glass : PPG Roving 2002	L6	300	306	$\pm 3 \%$
- 45°	$\pm 1^\circ$	E glass : PPG Roving 2002	L6	300	306	$\pm 3 \%$
		TOTAL gr/m ²	-	-	618	$\pm 3 \%$

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. 40 $\pm$ 3 %
tolleranza sulla grammatura - areal weight tolerance:	$\pm 3 \%$ (± 19 gr/m ²)
grammatura teorica - theoretical areal weight:	gr/m ² 618
identificazione rotolo - ident roll:	EBX600 HD
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:	μ m 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. All these informations can be used for material selection purposes only.
Fregona li 11/11/14

Quality Assurance
Ing. Giovanni Fardin

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TYPE APPROVED PRODUCT - CERTIFICATE NO. K-5807

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