



# SELCOM

## Multiaxial Technology

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

internet: [www.selcom-srl.com](http://www.selcom-srl.com)

## Technical Data Sheet

PRODUCT NAME EBX450	Code 01200000464
Biaxial fabric $\pm 45^\circ$ in "E" glass	

layers	angle tolerance	fiber	plan	tex	areal weight	areal weight
					gr/m <sup>2</sup>	tolerance
0°	-	Polyester yarn	L2	8,3	8	$\pm 3\%$
- 45°	$\pm 1^\circ$	E glass : PPG Roving 2002 or equivalent	L2	300	228	$\pm 3\%$
+ 45°	$\pm 1^\circ$	E glass : PPG Roving 2002 or equivalent	L2	300	228	$\pm 3\%$
		TOTAL gr/m <sup>2</sup>	-	-	464	$\pm 3\%$

### 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. 29,5 $\pm$ 3 %
tolleranza sulla grammatura - areal weight tolerance:	$\pm 3\%$ ( $\pm 14$ gr/m <sup>2</sup> )
grammatura teorica - theoretical areal weight:	gr/m <sup>2</sup> 464
identificazione rotolo - ident roll:	EBX450
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 <sup>3</sup> 2.59 - 2.62
diametro filamento - filament diameter:	$\mu$ 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 lì 26/11/14

Quality Assurance  
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**DNV**

**TYPE APPROVED PRODUCT - CERTIFICATE NO. K-5807**

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