



# 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

<b>PRODUCT NAME EBX800M100</b>	<b>Code 01211000801</b>
Biaxial fabric $\pm 45^\circ$ in "E" glass stitched with chop strand mat	

layers	angle	fiber	plan	tex	areal weight	areal weight
	tolerance				gr/m <sup>2</sup>	tolerance
0°	-	Polyester yarn	L6	8,3	7	$\pm 3\%$
+45°	$\pm 1^\circ$	E glass : PPG Roving 2002	L6	600 - 300	397	$\pm 3\%$
-45°	$\pm 1^\circ$	E glass : PPG Roving 2002	L6	600 - 300	397	$\pm 3\%$
random	-	E glass : PPG chop roving or equivalent	L6	2400	100	$\pm 3\%$
TOTAL gr/m <sup>2</sup>					901	$\pm 3\%$

#### 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. 57,5 $\pm$ 3 %
tolleranza sulla grammatura - areal weight tolerance:	$\pm 3\%$ ( $\pm 27$ gr/m <sup>2</sup> )
grammatura teorica - theoretical areal weight:	gr/m <sup>2</sup> 901
identificazione rotolo - ident roll:	<b>EBX800M100</b>
filo colorato di identificazione - tracer yarn:	two blue yarns
tipo di legatura - knitting type:	chain
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
diamentro filamento - filament diameter:	$\mu\text{m}14$ ( 300 tex ) - $\mu\text{m}15$ ( 600 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.

Quality Assurance  
 Ing. Giovanni Fardin

Fregona lì 08/04/16

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**DNV**

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



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