



# 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 EBX800M100**  
 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	8,0	7	$\pm 3 \%$
+45°	$\pm 2^\circ$	E glass : NEG Roving 2002 or equivalent	L6	600 - 300	397	$\pm 3 \%$
-45°	$\pm 2^\circ$	E glass : NEG Roving 2002 or equivalent	L6	600 - 300	397	$\pm 3 \%$
random	-	E glass : OCV M3060 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>
tipo di legatura - knitting type:	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 <sup>3</sup> 2.59 - 2.62
diamentro filamento - filament diameter:	$\mu$ m 15 ( 600 tex ) - $\mu$ 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.

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Fregona li 22/12/2023

Technical Manager  
 Ing. Giovanni Fardin



DNV-GL TYPE APPROVED PRODUCT - Cert. No. TAK000017W



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