



# SELCOM

## Multiaxial Technology

**SELCOM SRL**  
 via della Torre n. 17  
 31010 FREGONA (TV) ITALY  
 phone +39 0438 585166  
 modem fax +39 0438 585172  
 manual fax +39 0438 916049

cap. soc. EURO 101490,00  
 cod. fisc. e p.i. IT 02369430265  
 trib. Treviso n. 33642 reg. soc.  
 c.c.i.a.a. Treviso n. 206094  
 M. estero TV 028944  
 E-mail: [info@selcom-srl.com](mailto:info@selcom-srl.com)

**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 <b>EBX800R</b>	Code <b>01200000816</b>
Biaxial fabric $\pm 45^\circ$ in "E" glass	

layers	angle tolerance	fiber	tex	areal weight	areal weight
				gr/m <sup>2</sup>	tolerance
+ 45°	$\pm 1^\circ$	E glass roving : NEG Hybon 2002 or equivalent	600	397	$\pm 3\%$
90°	$\pm 1^\circ$	E glass roving : NEG yarn or equivalent	136	14	$\pm 3\%$
- 45°	$\pm 1^\circ$	E glass roving : NEG Hybon 2002 or equivalent	600	397	$\pm 3\%$
0°	-	Polyester yarn	8,0	8	$\pm 3\%$
TOTAL gr/m <sup>2</sup>			-	816	$\pm 3\%$

### Characteristics for fabric

standard roll length:	mtl 50 $\pm$ 1 mtl
standard roll width:	mm 1270 $\pm$ 10 mm
net roll weight:	Kg. 52 $\pm$ 3 %
areal weight tolerance:	$\pm 3\%$ [ $\pm 24$ gr/m <sup>2</sup> ]
theoretical areal weight:	gr/m <sup>2</sup> 816
ident roll / selcom prod. ident:	<b>EBX800R</b>
knitting type:	pillar - chain
stitching yarn type:	polyester, texturised, 8.0 tex

### Characteristics for fibre

fibre type:	Hybon 2002
binder content:	0.55 - 0.65 % ( nominal )
manufacturer:	NEG - Nippon Electric Glass
volumetric density:	gr/cm <sup>3</sup> 2.59 - 2.62
filament diameter:	$\mu$ m 15 ( 600 tex )
tensile strength:	Mpa 1900 - 2400 ( ASTM D-2343 ) *
tensile modulus:	Gpa 69 - 76 ( ASTM D-2343 ) *
elongation at break:	3.5 - 4 %

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

Fregona li 18/01/18

Technical Manager  
 Ing. Giovanni Fardin

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



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