



# 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 EQX800**  
 Quadriaxial fabric 0° +45° 90° -45° in "E" glass

layers	angle	fiber	tex	areal weight gr/m <sup>2</sup>	areal weight
	tolerance				tolerance
0°	± 1°	E glass roving : NEG Hybon 2002 or equivalent	900	211	± 3 %
+45°	± 1°	E glass roving : NEG Hybon 2002 or equivalent	300	202	± 3 %
90°	± 1°	E glass roving : NEG Hybon 2002 or equivalent	600	200	± 3 %
-45°	± 1°	E glass roving : NEG Hybon 2002 or equivalent	300	202	± 3 %
0°	-	Polyester yarn	8,0	9	± 3 %
		TOTAL gr/m <sup>2</sup>	-	824	± 3 %

### Characteristics for fabric

standard roll length:	mtl 50 ± 1 mtl
standard roll width:	mm 1270 ± 20 mm
net roll weight:	Kg. 52,3 ± 3 %
areal weight tolerance:	± 3 % [ ± 25 gr/m <sup>2</sup> ]
theoretical areal weight:	gr/m <sup>2</sup> 824
ident roll / selcom prod. ident:	<b>EQX800</b>
knitting type:	tricot
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:	µm 17 - µm 15 - µm 14
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.

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Fregona li 07/10/2020

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



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