



# 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 CEQX800</b>	Code
Quadriaxial fabric 0° -45° 90° +45° hybrid in "E" glass and carbon fibre	23600000800

layers	angle	fibre	plan	tex	areal weight	areal weight
	tolerance				gr/m <sup>2</sup>	tolerance
0°	-	Polyester yarn	L2	8,3	11	± 3 %
0°	± 1°	E glass : PPG Roving 2002	L2	300 - 600	118	± 3 %
0°	± 1°	Carbon : 12K Toray T700SC 50C	L2	800	80	± 3 %
- 45°	± 1°	E glass : PPG Roving 2002	L2	300	118	± 3 %
- 45°	± 1°	Carbon : 12K Toray T700SC 50C	L2	800	84	± 3 %
90°	± 1°	E glass : PPG Roving 2002	L2	300 - 600	121	± 3 %
90°	± 1°	Carbon : 12K Toray T700SC 50C	L2	800	76	± 3 %
+ 45°	± 1°	E glass : PPG Roving 2002	L2	300	118	± 3 %
+ 45°	± 1°	Carbon : 12K Toray T700SC 50C	L2	800	84	± 3 %
		TOTAL gr/m <sup>2</sup>	-	-	810	± 3 %

### Characteristics for fabric

standard roll length:	mtl 50 ± 1 mtl
standard roll width:	mm 1270 ± 10 mm
net roll weight:	Kg. 51,5 ± 3 %
areal weight tolerance:	± 3 % ( ± 24 gr/m <sup>2</sup> )
theoretical areal weight:	gr/m <sup>2</sup> 810
ident roll:	<b>CEQX800</b>
knitting type:	catenella + tricot
stitch yarn:	polyester, texturated, 8,3 tex

### Characteristics for filament yarn

tipo fibra - type:	PPG Roving 2002	T700SC - 50C -12K
binder content:	0.55 - 0.65 % ( nominal )	0.9 - 1.0 %
produttore - manufacturer:	PPG Industries	Toray Industries Inc.
densità volumetrica - volumetric density:	gr/cm <sup>3</sup> 2.59 - 2.62	g/cm <sup>3</sup> 1.80
nr. filamenti - number of filaments:	n.d.	12000
resistenza a trazione - tensile strength:	Mpa 1900 - 2400 [ ASTM D-2343 ] *	Mpa 4800 - 5000**
modulo a trazione - tensile modulus:	Gpa 69 - 76 [ ASTM D-2343 ] *	Gpa 230**
allungamento a rottura - elongation at break:	3.5 - 4 %	2.20 %**

\* Determined from resin impregnated rovings according to ASTM D-2343\*\* Measured using the impregnated strand test method. These informations can be used for material selection purposes only. Fregona li 20/12/12

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Quality Assurance  
 Ing. Giovanni Fardin

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