



# 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 ETXL600-E10**

layers	angle tolerance	fiber	plan	tex	areal weight gr/m <sup>2</sup>	areal weight tolerance
0°	-	Polyester yarn	L2	8,0	15	± 3 %
0°	± 1°	E glass : NEG Roving 2002 or equivalent	L2	900 - 600	207	± 3 %
+45°	± 1°	E glass : NEG Roving 2002 or equivalent	L2	600 - 300	198	± 3 %
-45°	± 1°	E glass : NEG Roving 2002 or equivalent	L2	600 - 300	198	± 3 %
TOTAL gr/m <sup>2</sup>					618	± 3 %

### Characteristics for fabric

lunghezza rotolo - standard roll length:	mtl 50 ± 1 mtl
larghezza rotolo - standard roll width:	mm 1270 ± 20 mm
peso netto rotolo - net roll weight:	Kg. 39 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % ( ± 31 gr/m <sup>2</sup> )
grammatura teorica - theoretical areal weight:	gr/m <sup>2</sup> 618
identificazione rotolo - ident roll:	ETXL600-E10
tipo di legatura - knitting type:	tricot
filo di legatura - stitch yarn:	polyester, texturated, 8,0 tex

### Characteristics for filament yarn

tipo fibra - type:	Hybon - NTY 2002
binder content:	0.55 - 0.65 % ( nominal )
produttore - manufacturer:	NEG - Nippon Electric Glass
densità volumetrica - volumetric density:	gr/cm <sup>3</sup> 2.59 - 2.62
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 04/11/2021

Technical Manager  
 Ing. Giovanni Fardin



DNV-GL TYPE APPROVED PRODUCT - Cert. No. TAK000017X



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