



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

Technical Data Sheet

PRODUCT NAME ETXL1000
 Triaxial fabric 0° +45° -45° in "E" glass

layers	angle tolerance	fiber	plan	tex	areal weight gr/m ²	areal weight tolerance
0°	-	Polyester yarn	L	8,0	9	± 3 %
0°	± 1°	E glass : NEG Roving 2002 or equivalent	L	2400-1200	425	± 3 %
+ 45°	± 1°	E glass : NEG Roving 2002 or equivalent	L	300 - 600	288	± 3 %
- 45°	± 1°	E glass : NEG Roving 2002 or equivalent	L	300 - 600	288	± 3 %
TOTAL gr/m ²			-	-	1010	± 3 %

Characteristics for fabric

lunghezza rotolo - standard roll length:	mtl 50 ± 1 mtl
larghezza rotolo - standard roll width:	mm 1270 ± 10 mm
peso netto rotolo - net roll weight:	Kg. 64 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % (± 50,5 gr/m ²)
grammatura teorica - theoretical areal weight:	gr/m ² 1010
identificazione rotolo - ident roll:	ETXL1000
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 ³ 2.59 - 2.62
diametro filamento - filament diameter:	µm 15 - µm 17
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.

Fregona li 04/11/21

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

