



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

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 UNIE1000
 Unidirectional fabric 0° in "E" glass

layers	angle tolerance	fiber	plan	tex	areal weight	areal weight
					gr/m ²	tolerance
0°	-	Polyester yarn	M2	8,0	11	± 3 %
0°	± 1°	E glass : NEG Roving 2002 or equivalent	M2	2400	960	± 3 %
90°	± 1°	E glass : NEG Roving 2002 or equivalent	M2	300	50	± 3 %
TOTAL gr/m ²					1021	± 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. 64,8 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % (± 31 gr/m ²)
grammatura teorica - theoretical areal weight:	gr/m ² 1021
identificazione rotolo - ident roll:	UNIE1000
tipo di legatura - knitting type:	tricot
filo di legatura - stitch yarn:	polyester, texturated, 8,0 tex

Characteristics for filament yarn

tipo fibra - type:	NEG Roving 2002
binder content:	0.55 - 0.65 % (nominal)
produttore - manufacturer:	Nippon Electric Glass fiber
densità volumetrica - volumetric density:	gr/cm ³ 2.59 - 2.62
diametro filamento - filament diameter:	µm 14 (300 tex) - µm 17 (2400 tex)
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 01/02/21

Technical Manager
 Ing. Giovanni Fardin

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TYPE APPROVED PRODUCT - CERTIFICATE NO. TAK000017V



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