



# 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 **UNIE600**  
 Unidirectional fabric 0° in "E" glass

layers	fibre	plan	tex	areal weight	areal weight
				gr/m <sup>2</sup>	tolerance
0°	PPG Roving 2002 or equivalent	Mu	1200	600	± 3 %
90°	PPG "E" glass 68 tex yarn	Mu	68	23	± 3 %
	TOTAL gr/m <sup>2</sup>	-	-	623	± 3 %

### Characteristics for fabric

lunghezza rotolo - standard roll length:	mtl 50 ± 1 mtl
larghezza rotolo - standard roll width:	mm 120 ± 5 mm
peso netto rotolo - net roll weight:	Kg 3,75 ± 3 %
tolleranza sulla grammatura - areal weight tolerance:	± 3 % ( ± 19 gr/m <sup>2</sup> )
grammatura teorica - theoretical areal weight:	gr/m <sup>2</sup> 623
identificazione rotolo - roll identification:	<b>UNIE600</b>
tipo di legatura - knitting type:	plain weave

### Characteristics for filament yarn

tipo fibra - type:	PPG Roving 2002
binder content:	0.55 - 0.65 % ( nominal )
produttore - manufacturer:	PPG Industries
densità volumetrica - volumetric density:	gr/cm <sup>3</sup> 2.59 - 2.62
diametro filamento - filament diameter:	µm 12 - 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 %

\* Determined from resin impregnated rovings according to ASTM D-2343  
 Fregona li 09/02/22

Quality Assurance  
 Ing. Giovanni Fardin

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**DNV**

**TYPE APPROVED PRODUCT - CERTIFICATE NO. K-4015**



Member of CISQ Federation

**RINA**  
 ISO 9001:2008  
 Certified Quality System



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