



TECHNICAL DATA SHEET

CEBX600

Biaxial fabric ±45° in Carbon fiber and E-Glass

Layer	Angle Tolerance	Fiber	Plan	Tex	Areal Weight gr/M ²	Tolerance
0°	-	Polyester yarn	L2	8,0	13	±5%
+45°	±1°	E-Glass: NEG Type 2002 or equivalent	L2	300	180	±5%
+45°	±1°	Carbon: Toray T700SC FOE 12K	L2	800	120	±5%
90°	±1°	E-Glass: NEG Type 2002 or equivalent	L2	136	13	±5%
-45°	±1°	E-Glass: NEG Type 2002 or equivalent	L2	300	180	±5%
-45°	±1°	Carbon: Toray T700SC FOE 12K	L2	800	120	±5%
		TOTAL gr/M ²	-	-	626	±5%

Characteristics for fabric

Lunghezza rotolo - standard roll length:	LM	50	±1 LM
Larghezza rotolo - standard roll width:	MM	1270	± 10mm
Peso netto rotolo - net roll weight:	KG	40,0	± 2,0 Kg
Tolleranza sulla grammatura – areal weight tolerance:	Gr/M ²	±5%	± 31gr/M ²
Grammatura teorica – theoretical areal weight:	Gr/M ²	626	
Identificazione rotolo - ident roll:	CEBX600		
Tipo di legatura - knitting type:	Tricot		
Filo di legatura – stitch yarn:	Polyester, texturated, 8.0 tex		

Characteristics for filament yarn

Tipo fibra – Type:	Torayca T700SC FOE	NEG Roving 2002
Size amount:	0,7 %	0.55 – 0.65 %
Densità volumetrica – Volumetric density:	g/cm ³ 1.80	gr/cm ³ 2.59 – 2.62
Nr. filamenti – Number of filaments:	12000 (12K)	-
Carico di rottura a trazione – Tensile strength:	Mpa 4900*	Mpa 1900*
Modulo a trazione – Tensile modulus:	Gpa 230*	Gpa 69 – 76*
Allungamento a rottura – Elongation at break:	2,2 – 2,4 %*	3.5 - 4 %*

* All these informations can be used for material selection purposes only.

Fregona li 23/09/20

Ing. Giovanni Fardin

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