

TECHNICAL DATA SHEET

CBX300-12K HTS45

Biaxial fabric $\pm 45^\circ$ in Carbon fibre



Layer	Angle Tolerance	Fiber	Plan	Tex	Areal Weight gr/M ²	Tolerance
0°	-	Polyester yarn	M5	8,0	8	±5%
-45°	±1°	Carbon: Tenax E HTS45 E23 12K	M5	800	150	±5%
+45°	±1°	Carbon: Tenax E HTS45 E23 12K	M5	800	150	±5%
		TOTAL gr/M ²	-	-	308	±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	19,6	± 0,98Kg
Tolleranza sulla grammatura – areal weight tolerance:	Gr/M ²	±5%	± 15gr/M ²
Grammatura teorica – theoretical areal weight:	Gr/M ²	308	
Identificazione rotolo - ident roll:	CBX300-12K HTS45		
Tipo di legatura - knitting type:	Catenella - Pillar		
Filo di legatura – stitch yarn:	Polyester, texturated, 8.0 tex		

Characteristics for filament yarn

Tipo fibra – Type:	Tenax E HTS45 E23 12K
Size amount:	1.24 %
Produttore – Manufacturer:	Teijin Carbon Europe GmbH
Densità volumetrica – Volumetric density:	g/cm ³ 1.78
Nr. filamenti – Number of filaments:	12000
Carico di rottura a trazione – Tensile strength:	Mpa 4585*
Modulo a trazione – Tensile modulus:	Gpa 240*
Allungamento a rottura – Elongation at break:	1.77 %*

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

Fregona li 28/04/20

TECHNICAL MANAGER
Ing. Giovanni Fardin



DNV-GL TYPE APPROVED PRODUCT – Cert. No. TAK00000NV

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