



# Cristex Composite Materials

Product: **TCB 240**

Woven Carbon Data Sheet:

Characteristics		Nominal	Tolerance	Normative
Mass per unit area	gr/sqm	240	± 5%	ISO 4605
Weave		Plain		ISO 2113
Standard width	mm	From 20 up to 230mm	± 2.5%	ISO 22198
Laminate thickness	mm	0.20	± 2.5%	ISO 5084(**)
Other information		Loomstate		

Nominal Construction		Warp		Weft	
Fibre description		HR Carbon Fibre 3K 200 tex		HR Carbon Fibre 3K 200 tex	
Thread count	ends/cm	6.0	ISO 4602	3 x 2	ISO 4602
Weight distribution	gr/sqm	3K – 200 tex	120	3K – 200 tex	120
	%		100%		100%
Weight rate	%	50%		50%	
Selvages		Weaving Style	LENO	Type of Fibre	HM polyester 22 tex

Mechanical Properties of Fibre	Strength (nominal)	Modulus (nominal)
Carbon fibre 400 tex	4410 Mpa	235 Gpa

(\*\*) Theoretical thickness for an epoxy laminate with 40% of reinforcement in volume.

Note: Technical information furnished is based on laboratory findings and believed to be correct. No warranties of any kind are made except that the materials supplied are of standard quality. All risk and liabilities arising from handling, storage and use of products, as well as compliance with applicable legal restrictions, rests with the user.