



ISO 9001 - Cert No 10490



## WOVEN FABRIC TECHNICAL DATA SHEET

Product Reference: TCU 520

Characteristics		Nominal	Tolerance	Normative
Mass per unit area	g/m <sup>2</sup>	507	± 5%	ISO 4605
Weave		Plain		ISO 2113
Standard Width	mm	From 20 mm to 230 mm	± 2,5%	ISO 22198
Laminate Thickness	mm	0,48	± 5,0%	ISO 5084(**)
Other information	Loomstate			

Nominal Construction	Warp		Weft	
Fibre Description	HS Carbon Fibre HTS 40 F13 – 12K		Textile E Glass EC9 – 68 tex	
Thread Count	6,0 ends/cm	ISO 4602	2,0 x 2 ends/cm	ISO 4602
Weight Distribution	480 g/m <sup>2</sup>	95%	27 g/m <sup>2</sup>	5%
Selvages	Weaving Style	LENO	Type of Fibre	HM polyester 22 tex

Mechanical Properties of Fibre	Strength (nominal)	Modulus (Nominal)
HTS 40 F13 – 12K (TOHO TENAX)	4830 MPa	240 GPa
EC9 – 68 tex	2000 MPa	73 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.