

WOVEN FABRIC TECHNICAL DATA SHEET

Product Reference: GV 160 U

Characteristics		Nominal	Tolerance	Normative
Mass per unit area	g/m ²	160	± 5%	ISO 4605
Weave		Unidirectional		ISO 2113
Width	mm	1000	± 2,5%	ISO 22198
Thickness	mm	0,15	± 2,5%	ISO 5084(**)
Other information		Loomstate		

Nominal Construction	Warp		Weft	
Fibre Description	HS Carbon Fibre HTA 40 E13 – 3K		Textile E Glass EC5 – 11 tex	
Fibre Producer	TOHO TENAX		PPG Industries	
Thread Count	7, 8 ends/cm	ISO 4602	4,0 ends/cm	ISO 4602
Weight Distribution	156 gm ²	98%	4 g/m ²	3%
Selvages	Weaving Style	LENO	Type of Fibre	HM Polyester 22 tex

Mechanical Properties of Fibre	Strength (nominal)	Modulus (nominal)
HTA 40 E13 – 3K	3950 MPa	238 GPa
EC5 – 11 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.