

334 gsm UNIDIRECTIONAL 12K CARBON TAPE (WIDTH 165 mm)

CHARACTERISTICS		Nominal	Tolerance	Normative
Mass per unit area	g/m ²	334	± 5%	ISO 4605
Weave		Plain		ISO 2113
Width	mm	From 20 to 230	± 2,5%	ISO 22198
Thickness	mm	0,31	±2,5%	ISO 5084 (**)
Other informations		Loomstate		

Nominal Construction	WARP		WEFT	
Fiber Description	HS Carbon Fiber TR50S 12K		Textile E Glass EC9 – 68tex	
Fibre Producer	MITSUBISHI GRAFIL		PPG Industries	
Thread Count	3,8 ends/cm	ISO 4602	2,2 x 2 ends/cm	ISO 4602
Weight Distribution	304 g/m ²	91%	30 g/m ²	9%
Selvages	Weaving style	LENO	Type of Fiber	HM polyester 22 tex

Mechanical properties	Strength (nominal)	Modulus (nominal)
Mitsubishi Grafil TR50S 12K	4900 MPa	240 GPa
EC9 – 68tex (PPG Industries)	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.