

## WOVEN FABRIC TECHNICAL DATA SHEET

**Product Reference:** GK 165 P

Characteristics		Nominal	Tolerance	Normative
Mass per unit area	g/m <sup>2</sup>	170	± 5%	ISO 4605
Weave		Plain		ISO 2113
Width	mm	1000/1200	± 2,5%	ISO 22198
Thickness	mm	0,17	± 2,5%	ISO 5084(**)
Other information		Loomstate		

Nominal Construction		Warp		Weft	
Fibre Description		3K Carbon Fibre 200 tex HM Aramid 1610 dtex		3K Carbon Fibre 200 tex HM Aramid 1610 dtex	
Thread Count	1 <sup>st</sup> Fibre	3.1 ends/cm	ISO 4602	1.5 ends/cm	ISO 4602
	2 <sup>nd</sup> Fibre	1.5 ends/cm		3.1 ends/cm	
Weight Rate	%	51%		49%	
Weight Distribution	g/m <sup>2</sup>	3K Carbon Fibre	61	3K Carbon Fibre	31
	%		36%		18%
	g/m <sup>2</sup>	HM Aramid	26	HM Aramid	52
	%		15%		31%
Selvedges		Weaving style	Leno	Type of Fibre	HM polyester 22 tex

Mechanical Properties of Fibre	Strength (nominal)	Modulus (nominal)
3K Carbon Fibre	3675 MPa	238 GPa
Type 2200-1610 dtex	3096 MPa	105 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.