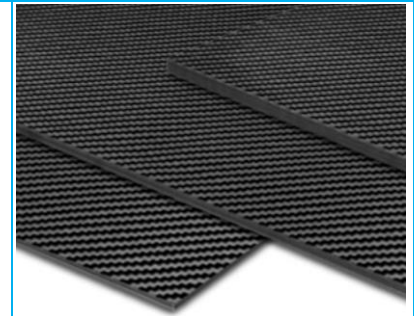
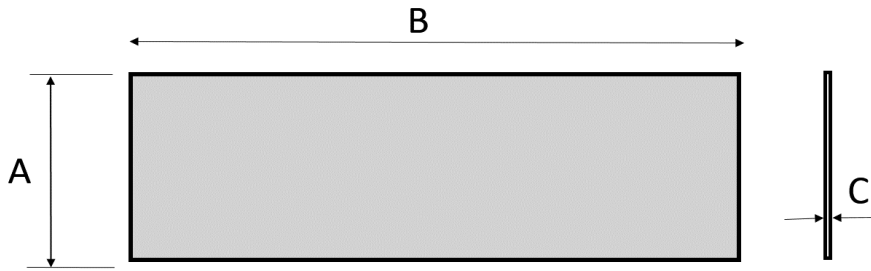


Product group:	CARBON FIBER HIGH STRENGTH EPOXY PANELS	document nr.: PDSFCFPanels
characteristics	Full Carbon Panels High Strength Non Painted	Issue Date: 15-12-2017
Production process:	Prepreg Lamination Technology	Revision: 1
		Revision Date: 18-4-2019

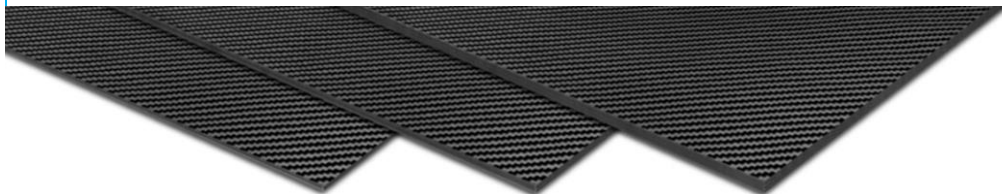
PRODUCT SPECIFICATIONS FOR ALL SPECIFIED PRODUCTS IN THIS DATASHEET



PRODUCT DIMENSIONS			
A: Width:	mm	Product Specific	
B: Length:	mm	Product Specific	
C: Wall thickness:	mm	Product Specific	
E: Straightness	mm	Product Specific	
Surface finish:	no paint	Semi Gloss	
Skin material:	Fabric	T= Twill P=Plain	
Core Material:		50% UD-0° fibers placed in length direction of panel	
		50% UD-90° fibers placed 90° on length of panel	
Fibers:		High Strength Carbon Fibers 3K T700	
Resin:		HS Epoxy Resin	
Glass Transition Temperature		Min. 80°C temperature resistance app 100°C at special request	
Density:	gr/cm3	Approximate 1,76	
Fiber Volume Fraction		60% +	

PRODUCT QUALITY			
Visual Grade on surface		Satin finish at both sides of the panel Small pinholes may occur, this is due to production process	
Fiber Fabric Weave		The fabric may have some spread	
Edges Cut		The edges of the 100x500 panels may have a more rough finish	
Product Packaging		Product individually packed in standard CarbonWebshop packaging	

The data in this sheets are approximate and based on general calculations and technical data sheets from material suppliers. The raw materials used can be replaced by materials with equivalent values. Refitech BV cannot take responsibility that products will meet the specification and will take no responsibility for any damages, directly or indirectly, related to the use of these products. If precise specifications such as strength and stiffness are required we strongly advise to test the products on the required functionality in the environment you are intend to use it



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PRODUCT REFERENCES

Product	HIGH PERFORMANCE CARBON FIBER EPOXY TUBES ROUND	Product Specific Dimensions in MM					Finishing		core material		Weight
		Width	Length	Wall	Tolerance		Side 1	Side 2	0°	90°	
Reference	Definition	A	B	C	dimension	Thickness	Side 1	Side 2	0°	90°	gram
CPL 8030 030 HS	High Strength Carbon Fiber Panel 300x300-8mm Twill Satin	300	300	8,0	+/- 3mm	+/- 0,4mm	Twill	Twill	50%	50%	910
CPL 10030 030 HS	High Strength Carbon Fiber Panel 300x300-10mm Twill Satin	300	300	10,0	+/- 3mm	+/- 0,5mm	Twill	Twill	50%	50%	1.125
CPL 12030 030 HS	High Strength Carbon Fiber Panel 300x300-12mm Twill Satin	300	300	12,0	+/- 3mm	+/- 0,5mm	Twill	Twill	50%	50%	1.370
CPL 1062 062 HS	High Strength Carbon Fiber Panel 620x620-1mm Twill Satin	620	620	1,0	+/- 3mm	+/- 0,2mm	Twill	Twill	50%	50%	490
CPL 1562 062 HS	High Strength Carbon Fiber Panel 620x620-1,5mm Twill Satin	620	620	1,5	+/- 3mm	+/- 0,2mm	Twill	Twill	50%	50%	800
CPL 2062 062 HS	High Strength Carbon Fiber Panel 620x620-2mm Twill Satin	620	620	2,0	+/- 3mm	+/- 0,3mm	Twill	Twill	50%	50%	960
CPL 3062 062 HS	High Strength Carbon Fiber Panel 620x620-3mm Twill Satin	620	620	3,0	+/- 3mm	+/- 0,3mm	Twill	Twill	50%	50%	1.450
CPL 4062 062 HS	High Strength Carbon Fiber Panel 620x620-4mm Twill Satin	620	620	4,0	+/- 3mm	+/- 0,35mm	Twill	Twill	50%	50%	2.515
CPL 6062 062 HS	High Strength Carbon Fiber Panel 620x620-6mm Twill Satin	620	620	6,0	+/- 3mm	+/- 0,4mm	Twill	Twill	50%	50%	3.475
CPL 8062 062 HS	High Strength Carbon Fiber Panel 620x620-8mm Twill Satin	620	620	8,0	+/- 3mm	+/- 0,4mm	Twill	Twill	50%	50%	3.800
CPL 10062 062 HS	High Strength Carbon Fiber Panel 620x620-10mm Twill Satin	620	620	10,0	+/- 3mm	+/- 0,5mm	Twill	Twill	50%	50%	4.725
CPL 12062 062 HS	High Strength Carbon Fiber Panel 620x620-12mm Twill Satin	620	620	12,0	+/- 3mm	+/- 0,5mm	Twill	Twill	50%	50%	5.750
CPL 1062 122 HS	High Strength Carbon Fiber Panel 620x1220-1mm Twill Satin	620	1.220	1,0	+/- 3mm	+/- 0,2mm	Twill	Twill	50%	50%	970
CPL 1562 122 HS	High Strength Carbon Fiber Panel 620x1220-1,5mm Twill Satin	620	1.220	1,5	+/- 3mm	+/- 0,2mm	Twill	Twill	50%	50%	1.600
CPL 2062 122 HS	High Strength Carbon Fiber Panel 620x1220-2mm Twill Satin	620	1.220	2,0	+/- 3mm	+/- 0,3mm	Twill	Twill	50%	50%	1.920
CPL 3062 122 HS	High Strength Carbon Fiber Panel 620x1220-3mm Twill Satin	620	1.220	3,0	+/- 3mm	+/- 0,3mm	Twill	Twill	50%	50%	2.880
CPL 4062 122 HS	High Strength Carbon Fiber Panel 620x1220-4mm Twill Satin	620	1.220	4,0	+/- 3mm	+/- 0,35mm	Twill	Twill	50%	50%	5.030
CPL 6062 122 HS	High Strength Carbon Fiber Panel 620x1220-6mm Twill Satin	620	1.220	6,0	+/- 3mm	+/- 0,4mm	Twill	Twill	50%	50%	6.950
CPL 8062 122 HS	High Strength Carbon Fiber Panel 620x1220-8mm Twill Satin	620	1.220	8,0	+/- 3mm	+/- 0,4mm	Twill	Twill	50%	50%	7.600
CPL 10062 122 HS	High Strength Carbon Fiber Panel 620x1220-10mm Twill Satin	620	1.220	10,0	+/- 3mm	+/- 0,5mm	Twill	Twill	50%	50%	9.450
CPL 12062 122 HS	High Strength Carbon Fiber Panel 620x1220-12mm Twill Satin	620	1.220	12,0	+/- 3mm	+/- 0,5mm	Twill	Twill	50%	50%	11.500

