



## Product Data Sheet

<b>Product name</b>		<b>51CP10</b>	
		Value	Unit
<b>Reinforcement</b>	Fiber(s)	Woven carbon fiber fabric	
	Fiber orientation	0°/ 90°	
	Carbon Fabric FAW	220	g/m <sup>2</sup>
<b>Resin</b>	PA6		
<b>Laminate</b>	Specific gravity	1.46	g/cc
	Fiber content by volume	48.8	%
	Fiber content by weight	58.3	%
	Thickness	1.03 ±0.1	mm
	Area weight	1479	g/m <sup>2</sup>
<b>Appearance</b>	Color	Black	
	Construction	Plain	
<b>Process</b>	Mold temperature	230 to 280	°C
<b>Recommendation</b>	Forming pressure	10 to 30	Bars
<b>Thermal</b>	Glass Transition temperature (ASTM D3418)	-	°C
<b>Test Method</b>	Flexural Modulus (E) (ASTM D790)	41(Nominal)	GPa
	Flexural Strength (ASTM D790)	560(Nominal)	MPa

Based on our best knowledge, this document is believed to be reliable information. However, these results will be vary from lab to lab, and will be dependent on molding techniques, sample preparation and testing methods. Because of variations in the methods, condition and equipment used commercially in processing this product, no warranties and guarantees are made as to be suitability of products for the applications disclosed. We recommend that each application be evaluated to assess the suitability of the product to meet specific requirements. CPL does not assume any liability that may result from the use of the document.