



## Product Data Sheet

<b>Product name</b>	<b>51CN10</b>		
		Value	Unit
<b>Reinforcement</b>	Fiber(s)	Nonwoven carbon fiber	
	Fiber orientation	Random	
	Carbon Fabric FAW	130	g/m <sup>2</sup>
<b>Resin</b>	PA6		
<b>Laminate</b>	Specific gravity	1.4	g/cc
	Fiber content by volume	36.2	%
	Fiber content by weight	45.5	%
	Thickness	1.02 ±0.1	mm
	Area weight	1391	g/m <sup>2</sup>
<b>Appearance</b>	Color	Black	
	Construction	Nonwoven	
<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)	25(Nominal)	GPa
	Flexural Strength (ASTM D790)	450(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.