



Product Data Sheet

Product name		31CN05	
		Value	Unit
Reinforcement	Fiber(s)	Nonwoven carbon fiber	
	Fiber orientation	Random	
	Carbon Fabric FAW	130	g/m ²
Resin	TPU		
Laminate	Specific gravity	1.4	g/cc
	Fiber content by volume	29.7	%
	Fiber content by weight	38.2	%
	Thickness	0.498 ±0.1	mm
	Area weight	680	g/m ²
Appearance	Color	Black	
	Construction	Nonwoven	
Process	Mold temperature	120 to 200	°C
Recommendation	Forming pressure	10 to 30	Bars
Thermal	Glass Transition temperature (ASTM D3418)	-	°C
Test Method	Flexural Modulus (E) (ASTM D790)	16(Nominal)	GPa
	Flexural Strength (ASTM D790)	100(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.