



Product Data Sheet

| | | | |
|-----------------------|--|---------------------------|------------------|
| Product name | | 21CP10 | |
| | | Value | Unit |
| Reinforcement | Fiber(s) | Woven carbon fiber fabric | |
| | Fiber orientation | 0°/ 90° | |
| | Carbon Fabric FAW | 220 | g/m ² |
| Resin | PC | | |
| Laminate | Specific gravity | 1.47 | g/cc |
| | Fiber content by volume | 48.8 | % |
| | Fiber content by weight | 58.3 | % |
| | Thickness | 1.03 ±0.1 | mm |
| | Area weight | 1510 | g/m ² |
| Appearance | Color | Black | |
| | Construction | Plain | |
| Process | Mold temperature | 160 to 230 | °C |
| Recommendation | Forming pressure | 10 to 30 | Bars |
| Thermal | Glass Transition temperature (ASTM D3418) | 150 | °C |
| Test Method | Flexural Modulus (E) (ASTM D790) | 40(Nominal) | GPa |
| | Flexural Strength (ASTM D790) | 400(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.