



Product Data Sheet



Product Name: **Complēt® LCF50-PA66 MT**

Resin Description: **Nylon 66 (Polyamide 66)**

Fiber Type: **Long Carbon Fiber**

Fiber Content (weight percent): **50%**

| | English | SI | Test Method |
|----------------------------------|---------------|-----------|-------------|
| Specific Gravity | 1.37 | 1.37 | ASTM D-792 |
| Tensile Strength | 41,000 psi | 283 MPa | ASTM D-638 |
| Tensile Modulus | 5,500 ksi | 37931 MPa | ASTM D-638 |
| Tensile Elongation | 1 % | 1 % | ASTM D-638 |
| Flexural Strength | 64,000 psi | 441 MPa | ASTM D-790 |
| Flexural Modulus | 4,000 ksi | 27586 MPa | ASTM D-790 |
| Notched Izod Impact | 5.5 ft-lb/in | 294 J/m | ASTM D-256 |
| Un-notched Izod Impact | 22.0 ft-lb/in | 1175 J/m | ASTM D-4812 |
| DTUL @ 264 psi (1820 kPa) | 480 °F | 249 °C | ASTM D-648 |

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Molding guidelines and processing conditions for Complēt long fiber composite pellets are available in our Material Processing Guide. Please contact our technical support team if you require additional information regarding processing a particular product or guidance resolving problems.

This compound complies with European Union Directive 2002/95/EC Restriction of Hazardous Substances (RoHS).

Values included in this Property Data Sheet are based on limited laboratory test specimens. These values are typical values and are not meant to be used for setting maximum or minimum values for specification purposes. Any determination of the suitability of the materials shown in this property data sheet for use by the end user is the sole responsibility of the user, who must assure themselves that the material as subsequently processed meets the need of his particular product or use. To the best of our knowledge the information in this publication is accurate and reliable, PlastiComp does not assume any liability whatsoever for the accuracy of this information.

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