

Thermoplastic Unidirectional Tape PA12 CF- 200 µm

Prod.No.

Product description Continuous carbon fibre (CF) reinforced thermoplastic tape with unidirectional (UD) fibre orientation and a Polyamide 12 (PA12) matrix in black colour.

Indicative values

| Physical Properties | |
|-----------------------------|----------------------|
| Fibre Volume Content | 41 %vol. |
| Fibre Areal Weight | 147 g/m ² |
| Resin content | 44 % |
| Prepreg Areal Weight | 264 g/m ² |
| Nominal Thickness | 0,20 mm |
| Available Widths | 3 mm to 102 mm |

| Thermal Properties | |
|-------------------------------|--------------|
| Melting Temperature | 180 °C |
| Processing Temperature | 200 - 210 °C |

| Mechanical Properties | |
|--------------------------|----------|
| Tensile Strength | 1516 MPa |
| Tensile Modulus | 101 GPa |
| Flexural Strength | 875 MPa |
| Flexural Modulus | 90 GPa |

Storage /Handling: This product must be stored at ambient temperatures, protected from sunlight and humidity. Shelf-life is not determined, we recommend to use within 12 months.

Note: The Information given above is based on our current state of knowledge and experience. In view of the many factors that may influence working conditions and the application of our products, the user is not relieved from carrying out his own tests and experiments. No legally binding warranty of certain properties or suitability for a particular purpose can be derived from this information. It is the responsibility of the receiver or user of our products to observe proprietary rights as well as existing laws and regulations.

This product is an article according to Regulation (EC) Nr. 1907/2006 (REACH) and no substance or mixture. It requires no MSDS. Please conduct a risk assessment before processing, especially for working at melting or processing temperature or working with dust generation.

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