

Hexcel® HexPly® EH 84 120°C Curing Epoxy Matrix, High Modulus 12k carbon UD tape 110 g/m²

Category : Polymer , Thermoset , Carbon Fiber/Thermoset Composite , Epoxy , Epoxy/Carbon Fiber Composite

Material Notes:

Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-EH-84-120C-Curing-Epoxy-Matrix-High-Modulus-12k-carbon-UD-tape-110-gm2.php

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------|------------|----------------|
| Tensile Strength, Yield | 1750 MPa | 254000 psi | 0° |
| Tensile Modulus | 210 GPa | 30500 ksi | 0° |
| Flexural Yield Strength | 1300 MPa | 189000 psi | 0° |
| Flexural Modulus | 185 GPa | 26800 ksi | 0° |
| Compressive Yield Strength | 1100 MPa | 160000 psi | 0° |
| Shear Strength | 80.0 MPa | 11600 psi | 0°, Short Beam |

| Processing Properties | Metric | English | Comments |
|-----------------------|-------------------------------------|--------------------------------------|----------|
| Shelf Life | 14.0 Month @Temperature -18.0 °C | 14.0 Month @Temperature -0.400 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Fiber Volume (%) | 60 | |
| Tack Life (days) | 30 | |

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