

Hexcel® HexPly® ES70 120°C Curing Epoxy Matrix, E-glass UD fabric 430 g/m2

Category : Polymer , Thermoset , Epoxy , Epoxy/Glass SMC

Material Notes:

Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-ES70-120C-Curing-Epoxy-Matrix-E-glass-UD-fabric-430-gm2.php

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|------------|----------------|
| Tensile Strength, Yield | 900 MPa | 131000 psi | 0° |
| Tensile Modulus | 37.0 GPa | 5370 ksi | 0° |
| Flexural Yield Strength | 900 MPa | 131000 psi | 0° |
| Flexural Modulus | 35.0 GPa | 5080 ksi | 0° |
| Shear Strength | 60.0 MPa | 8700 psi | 0°, Short Beam |

| Processing Properties | Metric | English | Comments |
|-----------------------|-------------------------------------|--------------------------------------|----------|
| Shelf Life | 12.0 Month @Temperature -18.0 °C | 12.0 Month @Temperature -0.400 °F | |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Fiber Volume (%) | 55 | |
| Tack Life (days) | 30 | |

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