

Hexcel® HexPly® F515 Epoxy Resin

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

HexPly® F515 is an advanced, industrial grade, modified epoxy formulation designed for either vacuum bag or autoclave curing to offer very high laminate strengths, coupled with increased fracture toughness. HexPly® F515 has a 250°F (121°C) cure. Information provided by HexCel

Order this product through the following link:

http://www.lookpolymers.com/polymer_Hexcel-HexPly-F515-Epoxy-Resin.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|-----------|----------|
| Specific Gravity | 1.20 g/cc | 1.20 g/cc | |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------|----------|----------|
| Tensile Strength, Yield | 41.0 MPa | 5950 psi | |
| Elongation at Yield | >= 1.6 % | >= 1.6 % | |
| Tensile Modulus | 3.10 GPa | 450 ksi | |

| Thermal Properties | Metric | English | Comments |
|---------------------------|--------|---------|----------|
| Glass Transition Temp, Tg | 124 °C | 255 °F | Dry |

| Processing Properties | Metric | English | Comments |
|-----------------------|------------------------------------|------------------------------------|----------|
| Gel Time | <= 2.00 min @Temperature 135 °C | <= 2.00 min @Temperature 275 °F | 6 |

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