

## Hexcel® HexPly® F263 Epoxy Resin, T3T190 Carbon Tape

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

### Material Notes:

Hexcel designation: T\_190-12"-F263; Various fibers  
Information provided by HexCel

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Hexcel-HexPly-F263-Epoxy-Resin-T3T190-Carbon-Tape.php](http://www.lookpolymers.com/polymer_Hexcel-HexPly-F263-Epoxy-Resin-T3T190-Carbon-Tape.php)

| Mechanical Properties      | Metric                | English               | Comments   |
|----------------------------|-----------------------|-----------------------|------------|
| Tensile Strength, Yield    | 1353 MPa              | 196200 psi            |            |
|                            | @Temperature 24.0 °C  | @Temperature 75.2 °F  |            |
| Tensile Modulus            | 131.8 GPa             | 19120 ksi             |            |
|                            | @Temperature 24.0 °C  | @Temperature 75.2 °F  |            |
| Compressive Yield Strength | 1185 MPa              | 171900 psi            |            |
|                            | @Temperature 71.0 °C  | @Temperature 160 °F   |            |
|                            | 1212 MPa              | 175800 psi            |            |
|                            | @Temperature 24.0 °C  | @Temperature 75.2 °F  |            |
| Shear Strength             | 76.0 MPa              | 11000 psi             | Short Beam |
|                            | @Temperature 132 °C   | @Temperature 270 °F   |            |
|                            | 110 MPa               | 16000 psi             | Short Beam |
|                            | @Temperature 24.0 °C  | @Temperature 75.2 °F  |            |
|                            | 122 MPa               | 17700 psi             | Short Beam |
|                            | @Temperature -54.0 °C | @Temperature -65.2 °F |            |

| Descriptive Properties       | Value | Comments |
|------------------------------|-------|----------|
| Cured Thickness per Ply (cm) | 0.02  | Laminate |
| Dry Resin Content (%)        | 35-39 | Prepreg  |
| Fiber Volume (%)             | 55    | Laminate |
| Flow (%)                     | 11-24 |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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