L-965HT

Heat Resistant Epoxy Prepreg

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Product Data Sheet

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Description

L-965HT is a heat resistant modified epoxy prepreg designed to perform in hostile environments up to 500°F (260°C). Continuous operating temperatures of 350°F (177°C) with short excursions to 500°F (260°C) are typical. L-965HT is safe for building very thick sections without exotherm during the cure.

Advantages of L-965HT

- Low Exotherm
- High Thermal Resistance
- L-965HT can be produced on many different fabrics or on unidirectional fabrics or on unidirectional fiber to give the designer maximum flexibility.

Physical Properties on 7 mil (0.178 mm) Woven Carbon Fabric

- *Standard Weight:* *0.068 lbs/ft² (332 g/m^2)*
- *Standard Resin Content:* *42% by weight*
- *Volatile Content:* *Less than 2%*
- *Standard Tack:* *Medium to High*
- *Cured Ply Thickness:* *0.007" on standard 5.7 oz/yd^2 fabric (0.178 mm on 193 g/m^2 fabric)*
- *Other Weights, Resin Contents, and Fabrics are Available.*

Availability

- *Up to 60" width in rolls up to 100 yards long (152 cm x 91 m)*

Shelf Life

- *6 months at 40°F (4°C) or below*
- *14 days at room temperature (70°F or 21°C)*

Cure Cycles

- *30 minutes at 250°F (121°C), PLUS*
- *30 minutes at 300°F (149°C), PLUS*
- *240 minutes at 350°F (177°C).*

Applications

- *Structural Aircraft Components*
- *Test Sensor Housing for Hostile Environments*
- *Motorcycle Muffler Housings*

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