L-975

Woven Carbon Prepreg, Low Energy Cure

851 W. 18th Street
Costa Mesa, CA 92627
(949) 650-8106 Fax:(949) 631-6190
www.jdlincoln.com

Product Data Sheet

Revised: 4/21/09

Description

L-975 is a 175°F (79°C) curing, high peel strength, flame retardant, epoxy prepreg available on carbon fabrics such as 3K carbon 2/2 twill or other styles as requested. L-975 is intended to be used as a single ply or multiple ply skin for foam-cored panels or balsa-cored panels.

Advantages of L-975

- No adhesive is required because of the high peel strength and high toughness of the L-975 resin matrix. L-975 can be bonded directly to a variety of core materials.
- Easy processing is another major advantage. L-975 can be cured with a vacuum bag, press, or autoclave type cures from 8 hours at 160°F (71°C) or in just 30 minutes at 250°F (121°C) with contact pressure (175°F (79°C) cure temperatures are suggested for urethane, balsa or PVC core).
- L-975 is also an excellent laminating prepreg when high impact strength and high toughness are required.

Physical Properties on 3K Carbon 2/2 Twill

- *Standard Weight:* *0.072 lbs/ft² (352 g/m²)*
- *Standard Resin Content:* *44% by weight*
- *Standard Tack:* *High tack on one side*
- *Cured Ply Thickness:* *0.007" (0.178 mm)*
- *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*
- *7 days at room temperature (70°F or 21°C)*

Cure Cycles

- *8 hours at 160°F (71°C), or*
- *6 hours at 175°F (79°C), or*
- *3 hours at 200°F (93°C), or*
- *30 minutes at 250°F (121°C).*

Flammability

- *Self Extinguishing per FAR part 25.853*

851 W. 18th Street
Costa Mesa, CA 92627
(949) 650-8106 Fax: (949) 631-6190
www.jdlincoln.com