

# L-975

## Woven Carbon Prepreg, Low Energy Cure



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### Product Data Sheet

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#### 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/ft<sup>2</sup> (352 g/m<sup>2</sup>)
- *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)*



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## 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

### NOTICE:

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