L-752

Laminating Prepreg, High Temperature

851 W. 18th Street
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Product Data Sheet

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Description

L-752 is an excellent high temperature modified epoxy prepreg which exhibits outstanding performance at temperatures up to 400°F (204°C). L-752 is ideally suited for applications on light weight advanced aircraft for fairings, inlet ducting, leading edges, control surfaces, pylons, and radomes.

Advantages of L-752

- L-752 has an excellent balance between toughness, high temperature strength and weatherability.
- L-752 may be co-cured with many of today's graphite/epoxy prepreg systems to form load transfer interfaces.
- L-752 is also supplied on light weight aramid fabric for use as a surfacing ply for graphite/epoxy laminates and facesheets to improve their damage tolerance.

Physical Properties on 281 Style Aramid Fabric

- *Standard Weight:* *0.070 lbs/ft² (342 g/m^2)*
- *Standard Resin Content:* *50% by weight*
- *Volatile Content:* *Less than 0.5%*
- *Standard Tack:* *Slightly tacky on one side*
- *Cured Ply Thickness:* *0.010" (0.254 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*
- *30 days at Room Temperature (70°F or 21°C)*

Cure Cycles

- *60 minutes at 350°F (177°C)*

Optional Cure Cycles:

- *2 hours at 300°F (149°C), or*
- *90 minutes at 325°F (163°C).*

❖ L-752 may be bonded into various structures using L-313 high temperature adhesive and L-309 adhesive primer.

❖ 350°F (177°C) flatwise tension values against 1/8" (0.3175 cm) cell aluminum honeycomb exceed 950 PSI (6.6 MPa) using the L-313 adhesive for the L-752 facesheet to core bond.

CAUTION: Do not build any section of L-752 over 0.250" (0.635 cm) thick. Please contact the J.D. Lincoln, Inc. company for special curing requirements for parts thicker than 0.250" (0.635 cm).

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