

L-926

Laminating Phenolic Prepreg



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Product Data Sheet

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Description

L-926 is a 275°F (135°C) curing phenolic prepreg with excellent fire, smoke, and toxicity properties. L-926 is available on 3K carbon plain weave or other fabric styles as requested. L-926 is intended to be used as a laminate for high temperature ducts, engine nacelle applications, or in honeycomb sandwich panels.

Advantages of L-926

- ❖ When used with L-310 phenolic adhesive film, L-926 prepreg facings create sandwich panels with high peel strength and high toughness.
- ❖ Processing of L-926 can be easily adapted to most heated presses, autoclaves, or ovens.
- ❖ L-926 is an excellent laminating prepreg when heat resistance to 500°F (260°C) is a requirement.
- ❖ When tested per the FAA required OSU test, L-926 will allow the designer to create structure which will meet or exceed these stringent requirements.

Physical Properties on 3K Carbon Plain Weave

- *Standard Weight:* 0.070 lbs/ft² (342 g/m²)
- *Standard Resin Content:* 38% by weight
- *Volatile Content:* 3-7%
- *Standard Tack:* Low tack
- *Cured Ply Thickness:* 0.007" (0.180 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)*



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Shelf Life

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

Cure Cycles

- 60 minutes at 350°F (177°C), or
- 90 minutes at 275°F (135°C).

Flammability

- Self Extinguishing per FAR part 25.853

Sandwich Properties*

Core: 1/8" cell, 3 lbs/ft³ (3.30 mm, 48 kg/m³) Aramid Honeycomb

Adhesive: 1 ply L-310 each side

Facings: 2 plies L-926-100 (3k Carbon plain weave) each side

- RT Flatwise Tensile Strength: 870 PSI (6 MPa)
- RT Sandwich Peel Strength: 8 in lb/in (36 Nm/m)

*Sandwich peel strength varies with the orientation of fibers directly against the core and test direction.

- ❖ Fibers laid up parallel with the test direction produce minimum strengths.
- ❖ Fibers laid up perpendicular to the test direction produce maximum strengths.
- ❖ L-926-100 (3K carbon plain weave) sandwich peel strength ranges from 6-10 in lb/in (27-44 Nm/m).

NOTICE:

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