

L-929

Solution Coated Epoxy Prepreg



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Product Data Sheet

Revised: 4/21/09

Description

L-929 is a solution coated epoxy prepreg with superior mechanical properties. It is a versatile “General Purpose” product. L-929 is available on 3K carbon plain weave style or other styles as requested. L-929 is also available in unidirectional tape up to 24” (61 cm) wide. Typical designations for this material would be named L-929(GT300)-24” (61 cm).

Advantages of L-929

- ❖ Thorough wetting of carbon fiber yields a product exhibiting outstanding flexural and compressive strength. L-929 may be used in applications with a service temperature of 180°F (82°C). L-929 is well suited to the requirements of sporting goods and other commercial applications.

Physical Properties on 3K Carbon Plain Weave

- *Standard Weight:* 0.070 lbs/ft² (342 g/m²)
- *Standard Resin Content:* 43% by weight
- *Volatile Content:* 2% maximum
- *Standard Tack:* Medium
- *Cured Ply Thickness:* 0.008” (0.203 mm)
- *Other Weights, Resin Contents, and Fabrics are Available.*

Availability

- *Up to 60” width in rolls up to 50 yards long for woven fabrics (152 cm x 46 m)*
- *Up to 24” width in rolls up to 100 yards long for unidirectional tapes (61 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)*



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Cure Cycle

- 60 minutes at 250-275°F (121-135°C)

Typical Applications

- Aircraft panel facings
- Auto racing components
- Aircraft detail part lay-up
- Sporting goods
- Marine panels

Mechanical Data

PROPERTY	50 PSI (0.34 MPa) CURE	TEST METHOD
ULTIMATE TENSILE STRENGTH Room Temperature (RT)	99 KSI (683 MPa)	ASTM D638
TENSILE MODULUS Room Temperature (RT)	10.0 MSI (69 GPa)	ASTM D638
ULTIMATE FLEXURAL STRENGTH Room Temperature (RT)	125 KSI (862 MPa)	ASTM D790
FLEXURAL MODULUS Room Temperature (RT)	11.0 MSI (76 GPa)	ASTM D790

NOTICE:

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