

L-305

Energy Broadcasting Polymer Film



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Product Data Sheet

Revised: 12/20/06

Description

L-305 is an energy broadcasting resin membrane designed to transfer impulse loads from plane to plane with laminar ballistic structures. This product can be provided as a film or as a prepreg to allow the designer to create low resin to fiber ratios necessary to manufacture energy absorbing laminates.

Advantages of L-305

- ❖ L-305 can be provided in a variety of colors to yield laminates requiring minimum additional finishing. Most structures remain flexible after curing which allows bending into existing structures, housings, or shapes.
- ❖ L-305 has great room temperature stability and is easy to handle.

Physical Properties

- *Optional Weights:* 0.002 lbs/ft², 0.006 lbs/ft², 0.009 lbs/ft² (10 g/m², 29 g/m², 44 g/m²)
(other weights are available)
- *Color:* Variable
- *Carrier:* None
- *Tack:* Flexible, Tack-Free Film

Availability

- *Up to 61.5" Width Rolls up to 200 Yards Long (156 cm x 183 m)*

Shelf Life

- *6 months at 40°F (4°C) or 60 days at Room Temperature (70°F or 21°C)*

Cure Conditions

- *60 minutes at 250°F (121°C)*
- *Other cure cycles may be established by the user. Use fresh air ventilation during cure.*

Typical Applications

- *Helmets*
- *Body Armor*
- *Vehicle Protective Panels*
- *Equipment Enclosures*
- *Barrier Structures*
- *Shields*

NOTICE:

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