

# L-305

## Energy Broadcasting Polymer Film



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### Product Data Sheet

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#### 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 provided as an easy-to-handle film.
- ❖ L-305 is versatile and may be used for interlaminar bonding, adhesive bonding, surface improvement, or other applications where toughened elastic films are suitable.

#### Physical Properties

- *Optional Weights:* 0.002 lbs/ft<sup>2</sup>, 0.006 lbs/ft<sup>2</sup>, 0.009 lbs/ft<sup>2</sup> (10 g/m<sup>2</sup>, 29 g/m<sup>2</sup>, 44 g/m<sup>2</sup>)  
(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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