

# L-201

## Fiberply Prepreg



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### Product Data Sheet

#### Description

Fiberply L-201 is a unidirectional cross-plyed fiberglass prepreg face sheet with a flame retardant epoxy matrix. The fiberglass can be E-glass and/or S-2 ® glass. The impregnating resin is solution coated and cures in a broad temperature range.

#### Advantages of L-201

- ❖ Superior mechanical properties when compared to composites of woven prepreg because the fiberply process eliminates breaking, twisting, and intertwining of fibers caused by the weaving process.
- ❖ Improved strength and stiffness to weight ratios because excess resin deposits inherent with woven fiberglass prepreps are eliminated.
- ❖ Pre-plyed materials reduce the assembly labor in the production of sandwich panels.
- ❖ Reduced cost relative to woven prepreps because the complicated steps of weaving, stitching, heat - cleaning, and refinishing have been eliminated. The fiberply process produces adhesive prepreg directly from fiber and resin.

#### Physical Properties

- *Standard Weight:* 0.175 lbs/ft<sup>2</sup> (855 g/m<sup>2</sup>)
- *Standard Resin Content:* 45% by weight
- *Volatile Content:* 2% maximum
- *Standard Tack:* Press Grade Medium
- *Specific Gravity:* 1.75
- *Other Weights, Resin Contents, and Fibers are Available*

#### Availability

- 50" x 122" Sheets (127 cm x 310 cm)
- 50" x 147" Sheets (127 cm x 373 cm)

## Shelf Life

- *6 months at 0°F (-18°C)*
- *14 days at Room Temperature (70°F or 21°C)*

## Cure Cycle

- *90 minutes at 270°F (132°C)*

## Adhesive / Scrim Options

The customer may request an adhesive film be applied to one or both sides or a fiberglass scrim to one or both sides to improve bonding and/or handling characteristics.

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