

L-561RT

Woven Fiberglass Prepreg, Ambient Temperature Cure



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Product Data Sheet

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Description

L-561RT is an ambient temperature curing, high strength, flame retardant, epoxy prepreg available on fiberglass fabrics such as 7781 or other styles as requested. L-561RT is intended to be used as a single ply or multiple ply skin for complex or contoured laminates, custom moldings, foam-cored or balsa-cored panels, and for tooling prototypes.

Advantages of L-561RT

- ❖ Ambient temperature cure coupled with high strength and toughness in this system make it ideal for complex shapes, molds or tools in the automotive, marine, and aerospace industries. Further, L-561RT can be bonded directly to a variety of substrates for general purpose use.
- ❖ Easy processing is another major advantage. L-561RT can be cured with vacuum bag, press or autoclave type cures from 48 hours at 75°F (24°C) or in just 12 hours at 120°F (49°C) with contact pressure.
- ❖ L-561RT is also an excellent laminating prepreg where high impact strength and high toughness are required.
- ❖ L-561RT will find quick acceptance where unique designs or prototypes are being constructed. The ambient cure system allows for processing and lay up without the aid of elevated temperature curing.

Physical Properties on 7781 Glass Fabric

- *Standard Weight:* 0.105 lbs/ft² (513 g/m²)
- *Standard Resin Content:* 42% by weight
- *Volatile Content:* 2% or less
- *Standard Tack:* High tack on both sides
- *Cured Ply Thickness:* 0.010" (0.254 mm)
- *Other Weights, Resin Contents, and Fabrics are Available.*

Availability

- 38", 50", or 60" width rolls up to 25 yards long (97 cm, 127 cm, 152 cm x 23 m)

L-561RT

Shelf Life

- *2 months at 0°F (-18°C)*

Maximum Lay-up Life

- *8-10 hours at 75°F (24°C)*

Cure Cycles

- *45 hours at 75°F (24°C), or*
- *12 hours at 120°F (49°C), or*
- *3 hours at 160°F (71°C).*

Flammability

- *Self Extinguishing per FAR part 25.853*

NOTICE:

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