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EPO-HTG™ G352 Resin

EPO-HTG™ G352 is a medium temperature curing modified epoxy resin system with glass transition temperature higher than 210°C. EPO-HTG™ G352 is designed for the traditional autoclave, press moulding and inner pressure processes. A 30 minutes cure at 150°C may be used for first step curing. Unidirectional and woven fabric prepreg with EPO-HTG™ G352 will retain tack about a week at room temperature.

■ Description

- ◇ Good tackiness
- ◇ Above 210°C glass transition temperature
- ◇ Suitable for autoclave, press moulding and bladder moulding process
- ◇ Available for carbon or glass tapes or fabrics

■ Curing conditions:

EPO-HTG™ G352 can be cured at the temperature from 125°C to 150°C depending on the individual requirement. Low, medium and high curing pressure may be applied during EPO-HTG™ G352 curing process to obtain a proper surface condition and desired resin content. Recommended cure cycle for thin-walled structures are as

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below.

1. Ramp $3^{\circ}C/min$ to $150^{\circ}C$; hold for 30 min; postcure at $150^{\circ}C$; hold for 90 min, $T_g \approx 214^{\circ}C$.
- I. The time applying pressure should be adjusted with varied shapes and cross-sections.
- II. The effective pressure should be also adjusted with different requirements of cured products such as fibre/resin fraction, amendment of thickness etc.

■ Handling and storage

Storage temperature:

■ Resin system:

Shelf life: $-15^{\circ}C$ for 6 months.

■ Prepreg:

Out life: 4 weeks at $21^{\circ}C$

Shelf life: $4^{\circ}C$ for 3 months or $-15^{\circ}C$ for 6 months.

Handling: Wear protective mask /glasses/gloves/clothing. Wash thoroughly after handling.

■ Important

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