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EPO-HMTM IP02 Resin / ETCPREG[®] MTC P2 Prepreg

EPO-HMTM IP02 system is designed for bladder moulding application. Good impact strength and remarkable fatigue resistance can be obtained from the composite parts cured by this system. ETCPREG[®] MTCTM P2 prepreg has good out life at room temperature.

■ Description

- ◇ Toughened epoxy resin system
- ◇ Good impact resistance
- ◇ Designed for bladder moulding application
- ◇ Available for carbon or glass tapes or fabric
- ◇ Stable processing under higher inner pressure

■ Curing conditions

ETCPREG[®] MTCTM P2 can be cured at the temperature from 130⁰C to 150⁰C depending on the individual requirement. Low, medium and high curing pressure may be applied during ETCPREG[®] MTCTM P2 curing process to obtain a proper surface condition and desired resin content. Recommended cure cycle for thin-walled structures are as below.

1. Lower curing pressure ; heating rate >10⁰C/min ramp to 130⁰C ; hold for 40 minutes; cool to < 60⁰C .



2. Higher curing pressure is above 7 bar, Ramp to 150⁰C and hold for 20 minutes ; cool to < 60⁰C .

✧ Heat-up rate for thicker wall structure would be recommended not to be more than 5⁰C /min.

- 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: -15⁰C for 6 months.

■ Prepreg:

Out life: 4 weeks at 21⁰C

Shelf life: 4⁰C for 3 months or -15⁰C for 6 months.

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

■ Important

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