

RAKU-TOOL[®] EI-2500 / EH-2970

Epoxy Infusion System

Provisional Data Sheet

PC - Rev.-Status: 01- 2006/05/11

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Key Properties

- Good cure at room temperature
- Temperature resistant
- Good wetting properties

Applications

- Resin Infusion
- RTM

Processing Properties

| | | | EI-2500 | EH-2970 |
|--------------------|----------|-------------------|----------|---------|
| Color | visual | | Clear | Clear |
| Mix ratio | | pbw | 100 | 25 |
| Density | ISO 1183 | g/cm ³ | 1.17 | 1.02 |
| Viscosity at 25 °C | ISO 2555 | m Pa.s | 800-1200 | |

| | | | EI-2500 EH-2970 |
|------------------------|----------|--------|--------------------|
| Mix viscosity at 25 °C | ISO 2555 | m Pa.s | |
| Pot life at 25 °C | 500 ml | min | 60 |
| Max. layer thickness | | mm | 8 |
| Demold time | | h | 16 |

Cured / Mechanical Properties

| Cure: after initial hardening cure in steps up to 110°C | | | EI-2500 EH-2970 |
|--|----------|-------------------|--------------------|
| Appearance | visual | | Clear |
| Density | ISO 1183 | g/cm ³ | 1.1 |
| Glass Transition Temperature, T _g | DSC | °C | 110-115 |
| Flexural strength | ISO 178 | MPa | 110-120 |
| Flexural modulus | ISO 178 | MPa | 2800-3200 |

Processing

The processing and material temperature should be between 18-25 °C.

Mix the two components thoroughly in the ratio indicated.

Post-curing will improve final properties.

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Packaging

| | |
|--------------------------------|------------------------|
| RAKU-TOOL [®] EI-2500 | 20 kg, 200 kg, 1000 kg |
| RAKU-TOOL [®] EH-2970 | 5 kg, 25 kg |

Storage

Original containers should be kept tightly sealed and stored at ambient temperatures (15°C to 30°C). If properly stored the products have the shelf-life indicated on the product label. Partly used containers should always be sealed appropriately and used up as soon as possible.

Handling Precautions

Good workplace ventilation is to be ensured during processing. At the same time, the employer's liability insurance association's industrial hygiene safety regulations regarding the handling of reaction resins and their hardeners are to be observed. Please take heed of the appropriate safety data sheets.

Supplied by

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