

# RAKU-TOOL<sup>®</sup> EI-2500 / EH-2970-1

## Epoxy Infusion System

### Temperature resistant

PC - Rev.-Status: 01- 2009/10/26

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**Key Properties**

- Temperature resistant
- Flow very well
- Unfilled, low viscosity
- Good wetting properties

**Applications**

- Resin infusion
- RTM

**Processing Properties**

			EI-2500	EH-2970-1
Color	visual		Clear	Clear
Mix ratio		parts by weight	100	30
Density	ISO 1183	g/cm <sup>3</sup>	1.17	0.96
Viscosity at 25 °C	ISO 2555	m Pa.s	800 - 1300	100 - 150

			EI-2500 EH-2970-1
Mix viscosity at 25 °C	ISO 2555	m Pa.s	500 - 1000
Pot life at 25 °C	500 ml	min	70
Max. layer thickness		mm	8
Demold time		h	16

**Cured / Mechanical Properties**

Cure: after initial hardening post cure in steps up to 120°C			EI-2500 EH-2970-1
Appearance	visual		Clear
Density	ISO 1183	g/cm <sup>3</sup>	1.1
Deflection temperature, HDT	ISO 75	°C	110 - 115
Glass Transition Temperature, Tg	DSC	°C	110 - 115
Flexural strength	ISO 178	MPa	120 - 130
Flexural modulus	ISO 178	MPa	2800 - 3300

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### Processing

**The processing and material temperature should be between 20-25 °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
RAKU-TOOL® EH-2970-1	3 kg

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### 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.

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### 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.

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