Ebalta BIV Epoxy 800 / BIV 800

Epoxy; Epoxide

Ebalta Kunststoff GmbH

Message:

Thin laminates should be post cured for some hours at about 40°C before demoulding.

The parts show very good strength. To achieve maximum property values for example for flexural strength and heat resistance, we recommend thermal treatment at the recommended temperature.

Applications Boatbuilding Hand laminating Injection process Vacuum infusion Properties long processing time very low viscosity certified according to "Germanischer Lloyd"

| General Information | | | |
|--|--------------------------|-------|-------------|
| Features | Good Strength | | |
| | Low Viscosity | | |
| | | | |
| Uses | Laminates | | |
| Appearance | Clear/Transparent | | |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Stress | 71.0 to 79.0 | MPa | ISO 527-2 |
| Flexural Modulus | 2750 to 3250 | MPa | ISO 178 |
| Flexural Stress | 100 to 120 | MPa | ISO 178 |
| Thermal | Nominal Value | Unit | Test Method |
| Heat Deflection Temperature (0.45 MPa, | | | |
| Unannealed) | 82.0 to 88.0 | °C | ISO 75-2/B |
| Glass Transition Temperature | 82.0 | °C | DMA |
| Thermoset | Nominal Value | Unit | |
| Thermoset Components | | | |
| Hardener | Mix Ratio by Weight: 30 | | |
| Resin | Mix Ratio by Weight: 100 | | |
| Post Cure Time (80°C) | 4.0 to 6.0 | hr | |
| Uncured Properties | Nominal Value | Unit | |
| Density (20°C) | 1.08 to 1.12 | g/cm³ | |
| Viscosity (25°C) | 0.19 to 0.25 | Pa·s | |
| Pot Life | | | |
| 20°C ¹ | 220 to 260 | min | |
| 20°C ² | 260 to 300 | min | |
| 20°C ³ | 300 to 350 | min | |
| NOTE | | | |
| | | | |

| 1. | 500 g |
|----|-------|
| 2. | 200 g |
| 3. | 100 g |

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