

Transparency

Resin 8808/30T (ex ST 48) + 8930 (ex 3000)

- **2-components polyurethane casting resin**
- **Solvent-free system**
- **Crystal clear and UV-resistant**
- **Flammability classification V-0 at 4.0 mm**
- **Medium hardness**
- **Excellent adhesive properties**
- **Ideal for LED applications**
- **TIP: good combination possibilities with Kisling's opaque and thermal conductive casting resins**

Product specification:

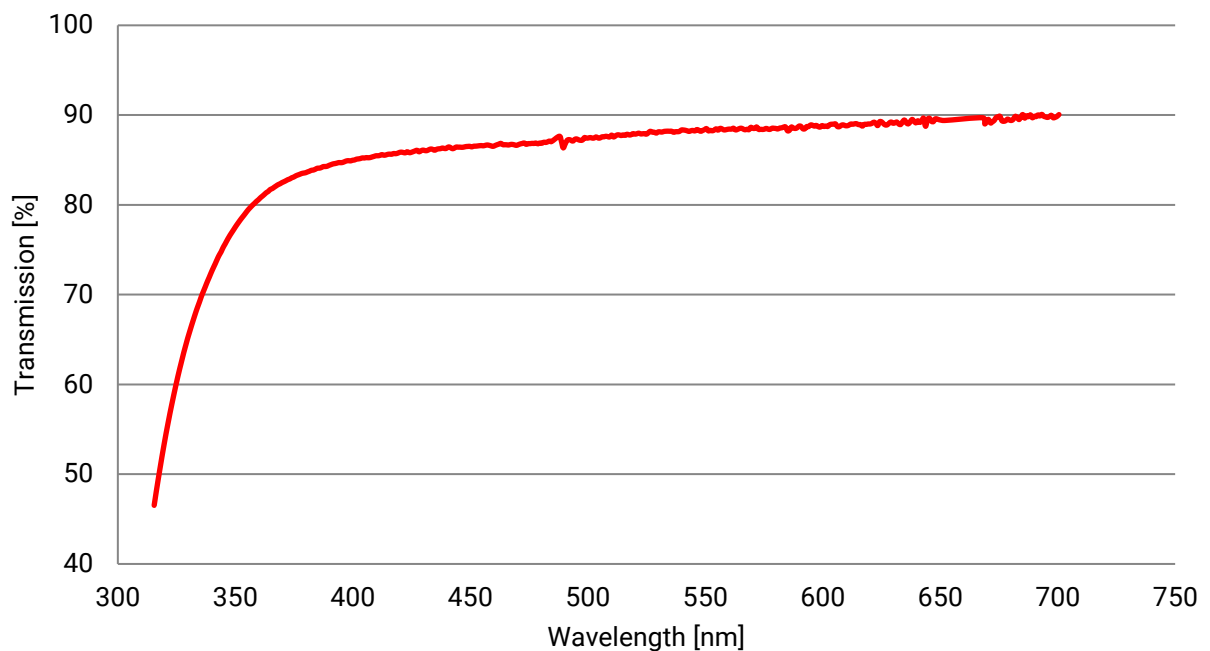
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| Mixing ratio (weight): | Resin 8808/30T | 100 parts |
| | Hardener 8930 | 140 parts |
| Viscosity (22°C): | Resin 8808/30T | 100 – 200 mPa·s |
| | Hardener 8930 | 450 – 750 mPa·s |
| | Mixing viscosity | 200 – 400 mPa·s |
| Density (22°C): | Resin 8808/30T | 1.03 – 1.08 g/cm ³ |
| | Hardener 8930 | 1.10 – 1.15 g/cm ³ |
| Colour: | Crystal clear | |
| Pot life: | 30 – 45 minutes | |
| | The curing time depends on the thickness of the layer, the casting volume and the temperature. | |
| Curing time (22°C): | 16 – 30 hours | |
| Final hardness | 10 – 14 days | |

Physical properties:

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| Shore-Hardness: | A 75 – 85 | ISO 868, DIN 53505 |
| Thermal conductivity: | 0.2 W/(m·K) | DIN EN ISO 22007 |
| Glass transition temperature: | 8.0 °C | TMA |
| Coefficient of expansion: | 124.1 ppm/K | < T _g , TMA |
| | 197.5 ppm/K | > T _g , TMA |
| Shrinkage after curing: | <1 % | |
| Water absorption: | 0.2 % (30 days at 23°C) | |
| Operating temperature: | -40°C up to +130°C (no effect on the physical properties) | |
| | -40°C up to + 90°C (no effect on the optical properties) | |
| Flammability classification: | V-0 4.0 mm | UL94 |

Transmission values:

Transmission measured against air, layer thickness approx. 8 mm, Analytik Jena Specord S 100



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| Shelf life: | 6 months in sealed original containers when stored in dry conditions (15°C to 25°C). |
| Packaging: | Resin and hardener are offered in separate packaging units. |

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