

## Transparency

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

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- 2-components polyurethane casting resin
  - solvent-free system
  - crystal clear and UV-resistant
  - flammability classification V-0 at 4,0 mm
  - hard curing degree
  - excellent adhesive properties
  - ideal for LED applications
  - TIP: good combination possibilities with Kisling's opaque and thermal conductive casting resins
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#### Product specification:

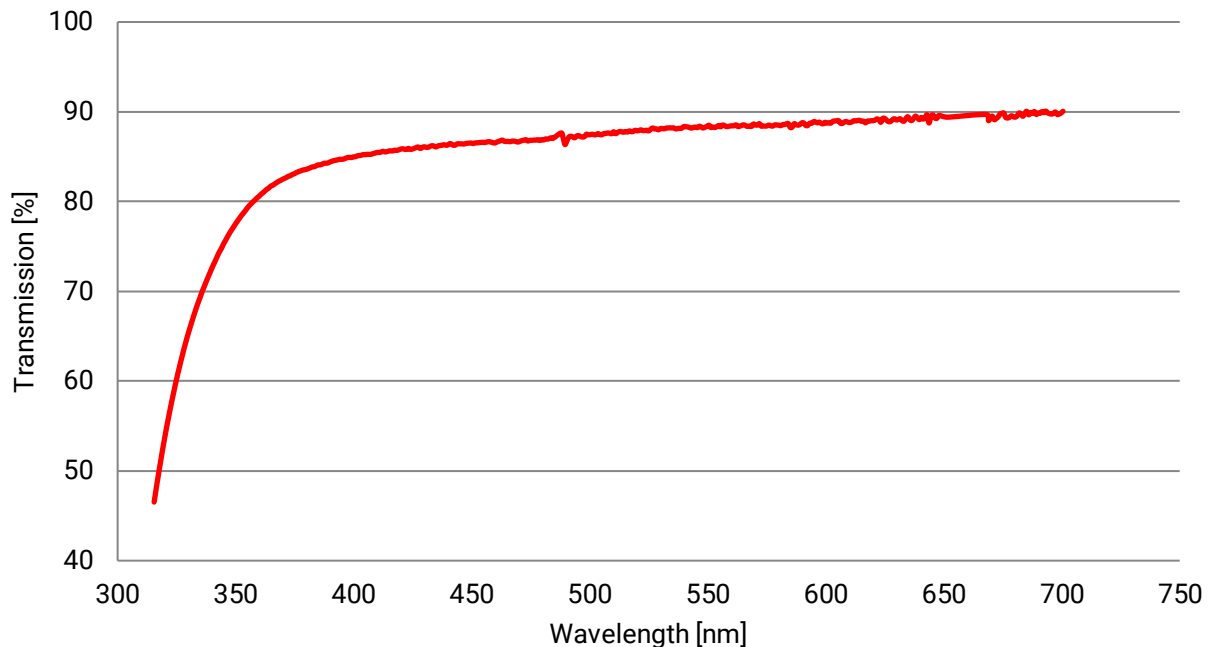
Mixing ratio (weight):	Resin 8808	100 parts
	Hardener 8930	140 parts
Viscosity (22°C):	Resin 8808	100 – 200 mPa·s
	Hardener 8930	450 – 750 mPa·s
	Mixing viscosity	200 – 400 mPa·s
Density (22°C):	Resin 8808	1.03 – 1.08 g/cm <sup>3</sup>
	Hardener 8930	1.10 – 1.15 g/cm <sup>3</sup>
Colour:	Crystal clear	
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:**

Shore-Hardness:	D 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 197.5 ppm/K	< Tg, TMA > Tg, TMA
Shrinkage after curing:	<1 %	
Water absorption:	0.2 % (30 days at 23°C)	
Insulation class:	B	IEC 60085
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



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.

RoHS: We hereby certify that all products are unexceptional RoHS conform according to the EU-directive 2011/65/EG (RoHS2) and the amendment of Directive 2015/863.

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