

## Transparency

### Resin 8804/30 (ex ST 44) + Hardener 8930 (ex 3000)

- 2-components polyurethane casting resin
- solvent-free system
- crystal clear and UV-resistant
- transmission values over 90 %
- semi-hard curing degree
- excellent adhesive properties
- ideal for LED applications
- TIP: good combination possibilities with Kisling's opaque and thermal conductive casting resins

#### Product specification:

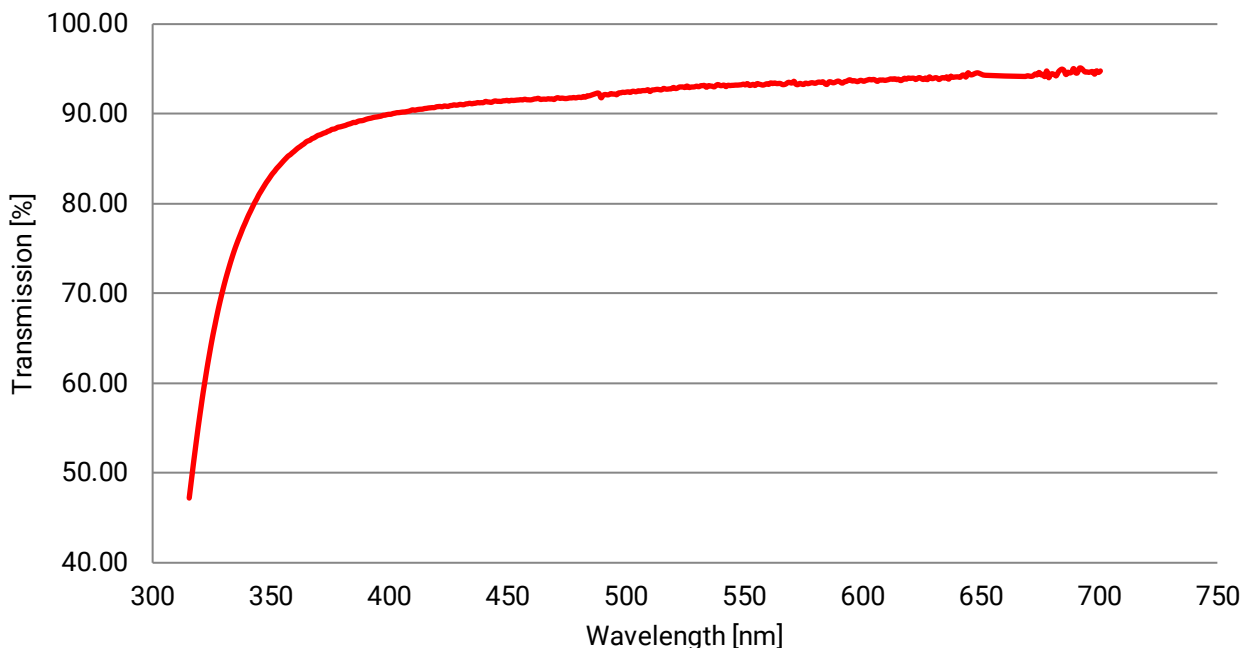
Mixing ratio (weight):	Resin 8804	100 parts
	Hardener 8930	100 parts
Viscosity (22°C):	Resin 8804	850 – 950 mPa·s
	Hardener 8930	450 – 750 mPa·s
	Mixing viscosity	650 – 850 mPa·s
Density (22°C):	Resin 8804	1.05 – 1.10 g/cm <sup>3</sup>
	Hardener 8930	1.10 – 1.15 g/cm <sup>3</sup>
Colour:	Crystal clear	
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:	A 58 – 68	ISO 868, DIN 53505
Thermal conductivity:	0.2 W/(m·K)	DIN EN ISO 22007
Glass transition temperature:	-2.1°C	TMA
Coefficient of expansion:	135.3 ppm/K 199.5 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)	

**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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