BONDING + SEALING + ENCAPSULATION



Transparency

Resin 8812/30 (ex ST 45) + Hardener 8930 (ex 3000)

- 2-components polyurethane casting resin
- CMR free
- solvent-free system
- crystal clear and UV-resistant
- transmission values over 90 %
- 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 8812	100 parts
	Hardener 8930	166 parts
Viscosity (22°C):	Resin 8812	1'600 − 2'000 mPa·s
	Hardener 8930	450 − 750 mPa·s
	Mixing viscosity	850 − 1'250 mPa·s
Density (22°C):	Resin 8812	1.05 – 1.10 g/cm ³
	Hardener 8930	1.10 - 1.15 g/cm³
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	

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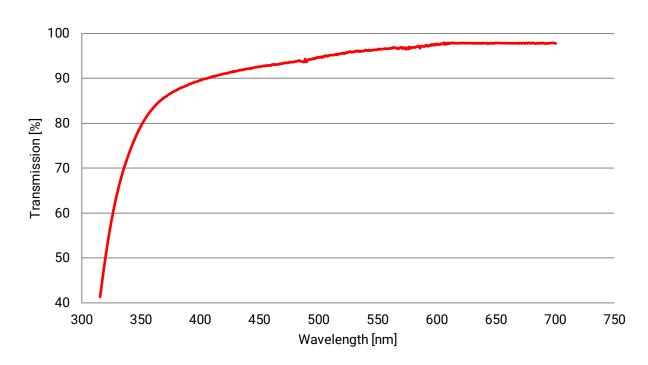


Physical properties:

Shore-Hardness:	D 68 – 72	ISO 868, DIN 53505
Thermal conductivity:	0.2 W/(m·K)	DIN EN ISO 22007
Glass transition temperature:	32.2°C	ТМА
Coefficient of expansion:	95.1 ppm/K	< Tg, TMA
	188.8 ppm/K	> Tg, TMA
Shrinkage after curing:	<1 %	
Water absorption:	0.2 % (30 days at 23°C)	
Insulation class:	В	IEC 60085
Operating temperature:	-40°C up to +130°C (no effect on the physical properties)	
	-40°C up to + 90°C (no effect of the optical properties)	

Transmission values:

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



Our technical advice, whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and therefore, entirely your own responsibility. Should in spite of this, liability be established by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

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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.
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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