

PUre Transparency ST 48/30

- 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**

✓ The casting resin is used with **PUre Hardener 3000**

✓ Product name explanations:

PUre Transparency = product line
ST 48 = product name
/30 = potlife configuration in min

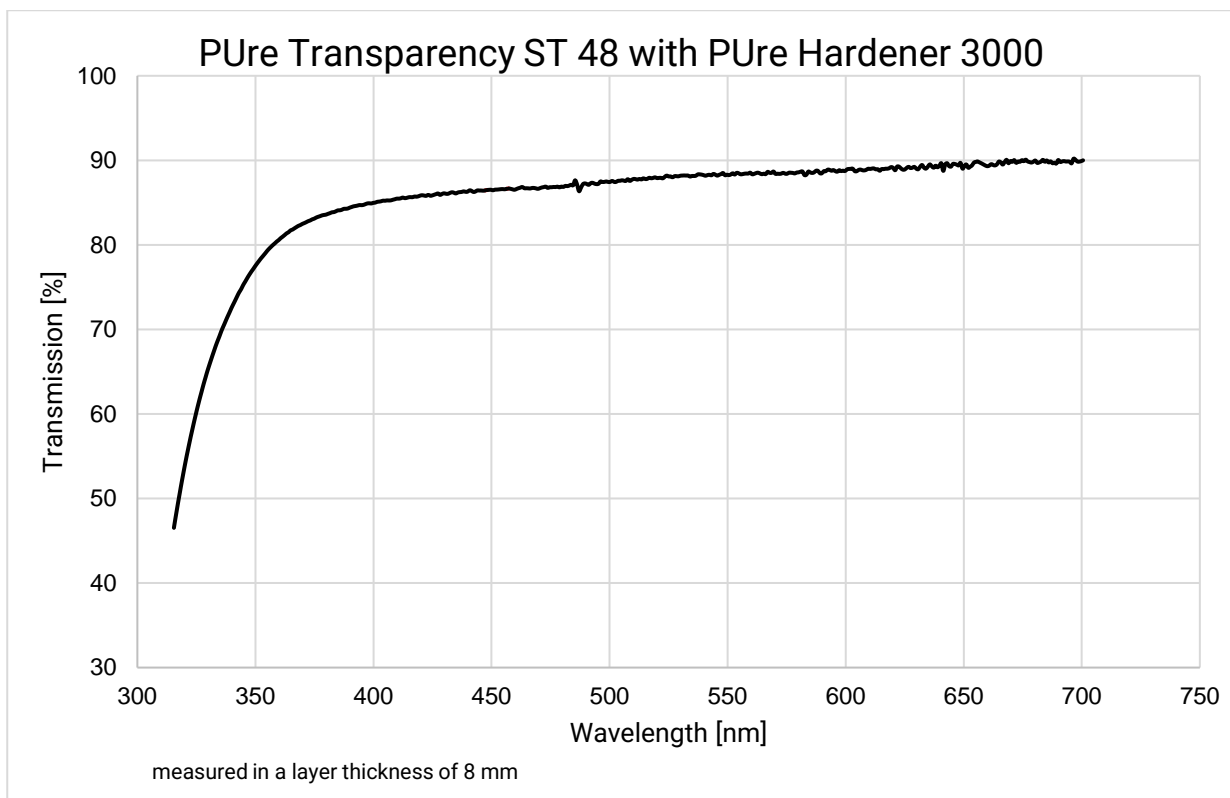
Product specification:

Operating temperature:	-40°C up to +130°C no affect of the physical properties -40°C up to + 90°C no affect of the optical properties
Flammability classification:	V-0, 4,0 mm
Mixing ratio:	100 parts PUre Transparency ST 48/30 140 parts PUre Hardener 3000
Viscosity (22°C):	resin: PUre Transparency ST 48/30 100 - 200 mPa*s hardener: PUre Hardener 3000 450 - 750 mPa*s mixing viscosity 200 - 400 mPa*s
Density (22°C):	resin: PUre Transparency ST 48/30 1,03 - 1,08 g/cm ³ hardener: PUre Hardener 3000 1,10 - 1,15 g/cm ³
Colour:	crystal clear
Potlife:	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

Transmission values:



- 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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