

## TransCast

### Clear Epoxy Casting Resin

#### Main features

- low-viscous
- transparent
- good light stability

#### Applications

- artistic / decorative applications in connection with
- Part B (Fast) (thin layers)
- Part B (Medium) (thick layers up to max. 80 mm)
- Part B (Slow) (thick layers up to max. 110 mm)

#### Properties in the non-crosslinked state (approx. values)

		TransCast Part A	TransCast Part B (Fast)	TransCast Part B (Medium)	TransCast Part B (Slow)
Colour		translucent	bluish	bluish	bluish
Mixing ratio	p.b.w.	100	25	40	45
Density (20 °C)	g/cm <sup>3</sup>	1.1	0.95	0.95	0.95
Viscosity (20 °C)	mPa·s	800	150	180	190

#### Properties of the mixture (approx. values)

Mixed viscosity (20 °C)	mPa·s		600	450	440
Pot life (20 °C, 2000 g)	minutes		500g → 60 min	210	420
Density	g/cm <sup>3</sup>	DIN 53479	1.1	1.1	1.1
Hardness depending on layer thickness and time	Shore D	DIN 53505	75	75	72

#### Mechanical values of the cured product (approx. values) 7 days at room temperature

Glass transition temperature TG	°C	DSC 204 F1 DIN 51005	45	40	40
Flexural strength	MPa	DIN 53452	74	60	45

#### How to process the material

Mix resin and hardener in the indicated mixing ratio until the compound is homogeneous and process the same at temperatures between 20°C and 25°C.

The pot life is temperature-dependent, and for a batch of 500 g with the Fast Part B and up to 2000 g with the Medium and Slower versions, it is between 60 and 420 minutes at 20 °C.

For release agents, please speak to Europol.

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### Form of delivery

TransCast Part A	5 kg	10 kg	200 kg	
TransCast Part B (Fast)	1.25 kg	2.5 kg	25 kg	180 kg
TransCast Part B (Medium)	2.0 kg	5 kg	25 kg	180 kg
TransCast Part B (Slow)	2.5 kg	5 kg	25 kg	200 kg

### Storage

We recommend keeping the material in tightly closed original receptacles at temperatures of 20 - 25 °C. When duly stored, the material can be used within the shelf life indicated on the labels (the first 2 digits of the batch number indicate the week, the 3rd digit indicates the year).

### Measure of precaution

With the aid of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, the user can inform himself on the safe handling and storage of the products.

Our technical service - in words, in writing or by trials - is given according to the current state of our knowledge. It does however not relieve the customer/ user from the duty to check by himself if the products supplied by us are suitable for the intended processes and purposes. Application, use and processing of the products take place beyond our control possibilities and lie therefore exclusively in the area of responsibility of the processor. Any existing property rights of third parties are to be considered. We guarantee the perfect quality of our products in accordance with our general terms and conditions of business. When handling our products you have to observe the legal rules and the rules for the industrial hygiene. As for the rest, we refer to the corresponding safety data sheets.

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