

Main features

- highly reactive
- low-viscous
- good impregnating and wetting properties
- high mechanical properties
- heat-resistant

Applications

- thick-walled laminates

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

		NEUKADUR EP 270	NEUKADUR Hardener T 3
Colour		amber	amber
Mixing ratio	p.b.w.	100	25
Density (20 °C)	g/cm ³	1.15	0.95
Viscosity (20 °C)	mPa·s	700	200

Properties of the mixture (approx. values)

Mixed viscosity (20 °C)	mPa·s		500
Hardness	Shore D	DIN 53505	75
Curing time	hours		18
Pot life (20°C, 100 g)	minutes		60
Pot life (20°C, 1000 g)	minutes		40

Mechanical values of the cured product at 20 °C (approx. values)

Tensile strength	MPa	DIN 53455	70
Modulus in tension	MPa	DIN 52457	8,500
Flexural strength 20 °C	MPa	DIN 53452	380
Flexural strength 40 °C	MPa	DIN 53452	340
Flexural strength 60 °C	MPa	DIN 53452	320
Flexural strength 80 °C	MPa	DIN 53452	300
Flexural strength 100 °C	MPa	DIN 53452	290
Compressive strength	MPa	DIN 53454	360
Dimensional stability under heat	Martens °C	DIN 53458	85
Linear dimensional change	mm/m		0.3

*RT = room temperature

How to process the material

The indicated mixing ratio has to be observed.

Mix resin and hardener thoroughly (hand mixing: for approx. 3 minutes)

The pot life is temperature-dependent, and for a batch of 1000 g it is 40 minutes.

For release agents, please visit our homepage under <http://www.altropol.de/en/produkte/weitere-produkte/trennmittel>

Form of delivery

NEUKADUR EP 270	1 kg	5 kg	30 kg
NEUKADUR Hardener T 3	0.25 kg	1.25 kg	10 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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