

# NEUKADUR LH 276

Epoxy Laminating Resin  
Temperature resistant

# altropol

## Main features

- low-viscous
- very good fiber wetting
- temperature-resistant

## Applications

- Laminating resin for heavy-duty component parts of carbon-, aramide- and glass fibers

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

		NEUKADUR LH 276	NEUKADUR Hardener T 3	NEUKADUR Hardener T 9
Colour		amber	amber	amber
Mixing ratio	p.b.w.	100	20	25
Density 20 °C	g/cm <sup>3</sup>	1.1	0.95	0.95
Viscosity 20 °C	mPa·s	1,200	200	100
Mixed viscosity 20°C	mPa·s		650	500
Pot life 20°C	(500g) min.		30	60

## Properties of the mixture - tempered 6 h in stages up to 80 °C (approx. values)

Curing time (RT)	hours		20	30
Hardness (24h)	Shore D	DIN 53505	78	75
Flexural strength (20°C)	N/mm <sup>2</sup>	DIN 53452	95	90
Modulus in flexure	MPa	DIN 53457	2,600	2,600
Compressive strength	N/mm <sup>2</sup>	DIN 53454	350	350
Impact strength	kJ/m <sup>2</sup>	DIN 53453	200	200
ILS at RT and 70°C	N/mm <sup>2</sup>		35	35
Dimensional stability under heat (Martens)	°C	DIN 53458	100	100
Dimensional stability under heat T <sub>g</sub>	°C		115	115
Dimensional change (specimen 500 x 20 x 25)	mm/m		0.1	0.1

(RT = room temperature)

## How to process the material

The indicated mixing ratios have to be observed. Mix resin and hardener thoroughly (by hand for approx. 3 min). The pot life is temperature-dependent. At an ambient temperature of 20°C it is for a batch of 500 g 25 to 60 minutes - depending on the type of hardener used.

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

## Form of delivery

NEUKADUR LH 276	1.00 kg	5.00 kg	10.00 kg	30.00 kg	220.00 kg
NEUKADUR Hardener T 3	0.20 kg	1.00 kg	6.00 kg	30.00 kg	
NEUKADUR Hardener T 9	0.25 kg	1.00 kg	2.50 kg	5.00 kg	50.00 kg

## NEUKADUR LH 276

Epoxy Laminating Resin  
Temperature resistant

# altropol

### **Storage**

The material should be kept 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.

• 2020-03-13.4 / 12 / LW-W •

---

• [www.altropol.de](http://www.altropol.de) •

• Altropol Kunststoff GmbH • Rudolf-Diesel-Straße 9 - 13 • D-23617 Stockelsdorf • Tel. +49 451-499 60-0 •  
• Fax. +49 451-499 60-20 • E - Mail: [info@altropol.de](mailto:info@altropol.de) •