

## 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 state upon delivery (approx. values)

	NEUKADUR LH 276	NEUKADUR Hardener T 9	NEUKADUR Hardener T 6
Colour	amber	amber	amber
Density g/cm <sup>3</sup>	1.1	0.95	0.95
Viscosity mPa·s (20°C)	1200	100	500

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

	NEUKADUR LH 276	NEUKADUR Hardener T 9	NEUKADUR Hardener T 6
Mixing ratio p.b.w.	100	25	25
Mixed viscosity (20 °C) mPa·s		500	750
Pot life (20 °C) 500 g minutes		60	25
Curing time (20 °C) hours		30	20

### Data of the cured product – tempered 15h - 60°C (approx. values)

Measured at 4 mm boards (16 layers of fabrics 181/Interglas 91745

Glass content 45 - 50 %)

Shore D-hardness	DIN 53505	Points	82
Density	DIN 53479	g/cm <sup>3</sup>	1.4
Flexural strength 20 °C	DIN 53452	N/mm <sup>2</sup>	500
Modulus in flexion	DIN 53457	N/mm <sup>2</sup>	25,000
Compressive strength	DIN 53454	N/mm <sup>2</sup>	350
Impact strength	DIN 53453	kJ/m <sup>2</sup>	200
ILS at RT and at 70 °C		N/mm <sup>2</sup>	35
Dimensional stability under heat (Martens)	DIN 53458	°C	100
Dimensional stability under heat TG		°C	115
Linear shrinkage (test specimen 500 x 20 x 25)		mm/m	0.1

### 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.

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### Form of delivery

NEUKADUR LH 276

5 / 30 / 60 / 220 kg receptacles

NEUKADUR Hardener T 9 / T 6

1 / 5 / 10 / 25 / 25 kg receptacles

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### Storage

The material should be kept in tightly closed original receptacles at temperatures of 15 - 25 °C. When duly stored, the materials can be used within the shelf life indicated on the labels.

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### Measure of precaution

Users should make use of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, to inform themselves on the safe handling and storage of the products.

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