

**Main features**

- epoxy resin system
- low odour
- filled
- slightly thixotropic
- low shrinkage

**Applications**

- low-shrinkage laminates of a high dimensional accuracy and a high dimensional stability

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

		<b>NEUKADUR LH 90</b>	<b>NEUKADUR Hardener LH 90</b>	<b>NEUKADUR Hardener LH 92</b>
Colour		white	colourless / blue	colourless / blue
Mixing ratio	p.b.w.	100	25	20
Density (20 °C)	g/cm <sup>3</sup>	1.4	0.95	0.95
Viscosity (20 °C)	mPa·s	4,500	200	450

**Properties of the mixture at 20 °C (approx. values)**

Mixed viscosity	mPa·s		2,000	2,000
Pot life (1000 g)	minutes		25	40
Curing time	hours		18	24
Hardness	Shore D	DIN 53505	80	80
Density	g/cm <sup>3</sup>	DIN 53479	1.3	1.3

**Mechanical values of the cured product (approx. values)**

Tensile strength	MPa	DIN 53455	300	370
Modulus in tension	MPa	DIN 53457	20,000	20,000
Compressive strength	MPa	DIN 53454	120	120
Flexural strength 20 °C	MPa	DIN 53452	400	350
Flexural strength 40 °C	MPa	DIN 52452	300	270
Flexural strength 60 °C	MPa	DIN 52452	80	80
Dimensional stability under heat	Martens °C	DIN 53458	65	65
Linear dimensional change (test specimen) 500x20x25)	mm/m		0.1	0.1

**How to process the material**

To avoid a deposit of the fillers, stir up resin component intensively.

By mixing the hardener carefully but intensively into the resin component, you achieve an optimal wetting and avoid air inclusions.

The pot life is temperature-dependent. At room temperature, it is between 25 and 40 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 90	1.00 kg	5.00 kg	10.0 kg	25 kg	200 kg
NEUKADUR hardener LH 90 (colourless)	0.25 kg	1.25 kg	2.50 kg		
NEUKADUR hardener LH 90 (blue)	0.25 kg	2.50 kg	6.25 kg		
NEUKADUR hardener LH 92 (colourless)	1.00 kg	5.00 kg			
NEUKADUR hardener LH 92 (blue)	0.20 kg	5.00 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.

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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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