

NEUKADUR EP 901

Multipurpose Resin

altropol

Main features

- epoxy resin system
- high dimensional stability under heat
- good impregnating and wetting properties

Applications

- production of composites of glass-, carbon- or aramid fabric

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

		NEUKADUR EP 901	NEUKADUR hardener 228
Colour		transparent amber	colourless
Mixing ratio	p.b.w.	100	30
Density 20 °C	g/cm ³	1.1	0.9
Viscosity 25 °C	mPa·s	3,100	30

Properties of the mixture and the cured product - tempered 2 h 60/80/100/120/140/160 °C - (approx. values)

Mixed viscosity (25 °C)	mPa·s		500
Pot life	(100 g) minutes		120
Curing time depending on layer thickness	hours		24
Hardness	Shore D	DIN 53505	80
Tensile strength	MPa	DIN 53455	40
Tensile elongation	%	DIN 53455	3.1
Flexural strength	MPa	DIN 53452	110
Bending elongation	%	DIN 53452	4
Modulus in flexure	MPa	DIN 53457	3,000
Glass transition temperature	°C	TG	160

How to process the material

Mix resin and hardener in the indicated mixing ratio until the compound is homogeneous. As far as possible, processing should be made at temperatures between 20 °C and 25 °C. All usual processing methods can be applied.

The final properties of the product are improved by post-curing.

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

Form of delivery

NEUKADUR EP 901	220 kg
NEUKADUR hardener 228	25 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.

• 2018-02-28.3 / 12 / LW-W •