

NEUKADUR EP 972 - Preliminary Data Sheet -

Composite - Epoxy Resin
with approval by the Germanische Lloyd

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Main features

- pot lives adjustable by different hardeners
- good impregnating and wetting properties
- **Laminating resin system with approval by the Germanische Lloyd**

Applications

- production of composites of glass, carbon or aramid fabrics
- general mould making, tool manufacture, gauge making

Properties in state upon delivery (approx. values)

	NEUKADUR EP 972	NEUKADUR Hardener 972	NEUKADUR Hardener 973
Colour	clear	amber	pale yellow
Density g/cm ³	1.15	1.0	1.0
Viscosity mPa·s (20°C)	3,000	80	150

Properties of the mixture (approx. values)

	NEUKADUR EP 972	NEUKADUR Hardener 972	NEUKADUR Hardener 973
Mixing ratio/p.b.w.	100	30	30
Mixed viscosity (25 °C) mPa·s		350	500
Pot life (20 °C) 500 ml minutes		250	25
Demouldable hours		48	24

Data of the cured product – tempered step by step up to 80 °C for 15-20 h - after 24h and/or 48h of curing at room temperature (approx. values)

		NEUKADUR Hardener 972	NEUKADUR Hardener 973
Shore D-hardness 24h / RT Points	DIN 53505	60	80
Shore D-hardness 48h / RT Points	DIN 53505	72	80
Modulus in flexion N/mm ²	DIN EN ISO 178	*	*
Elongation of edge fiber %	DIN EN ISO 178	*	*
Flexural strength N/mm ²	DIN EN ISO 178	*	*
Dimensional stability under heat (Martens) °C	DIN 53458	*	*

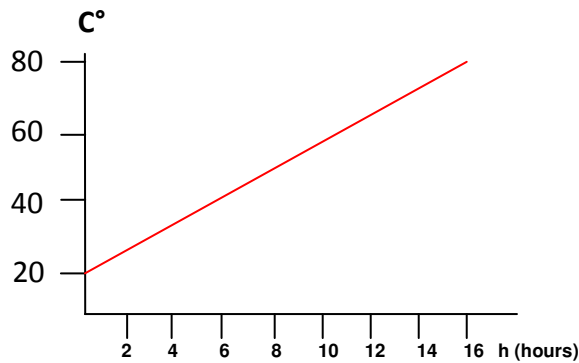
* being tested

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Tempering cycle



How to process the material

Mix resin and hardener in the indicated ratio until the compound is homogeneous. The material should be processed at temperatures of 10°C to 50°C, if possible. All common processing methods can be applied. The pot life is temperature-dependent.

Form of delivery

NEUKADUR EP 972	1, 10, 30, 200 kg receptacles
NEUKADUR Hardener 972/ 973	3, 10, 30 Kg receptacles

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.

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 products.