

Main features

- Epoxy resin system
- Pot life is adjustable by the use of different hardeners
- very good impregnating and wetting properties

Applications

- special infusion resin
- Production of composites of glass-, carbon- or aramide fabrics
- general manufacture of moulds, tools, gauges

Properties in state upon delivery (approx. values)

	NEUKADUR EP 986	NEUKADUR Hardener 242	NEUKADUR Hardener 244	NEUKADUR Hardener 246	NEUKADUR Hardener 269
Colour	clear	clear	clear	clear	yellowisch
Density g/cm ³	1.1	1.0	1.0	1.0	1.0
Viscosity mPa·s (20°C)	600	80	100	80	1900

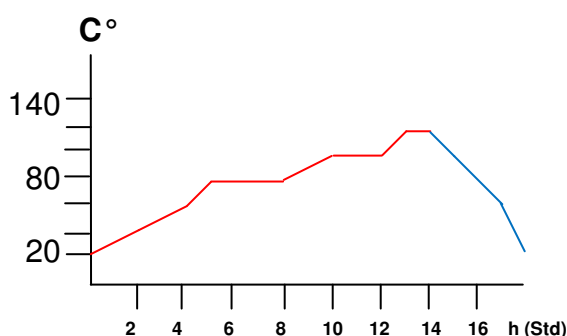
Properties of the mixture (approx. values)

	NEUKADUR EP 986	NEUKADUR Hardener 242	NEUKADUR Hardener 244	NEUKADUR Hardener 246	NEUKADUR Hardener 269
Mixing ratio p.b.w.	100	30	30	30	25
Mixed viscosity (25 °C) mPa·s		300	350	300	820
Pot life (20 °C) 500 ml minutes		25	70	240	15
Demouldable hours		24	24	48	16

Data of the cured product (approx. values) tempered step by step up to 120 °C (14 hours)

		NEUKADUR Hardener 242	NEUKADUR Hardener 244	NEUKADUR Hardener 246	NEUKADUR Hardener 269
Shore D-hardness 24h / RT Points	DIN 53505	82	84	70	84
Shore D-hardness 48h / RT Points	DIN 53505	82	84	83	84
Modulus in flexion N/mm ²	DIN 53457	2300	2400	2400	
Flexural strength N/mm ²	DIN 53452	135	120	123	
Dimensional stability under heat (Martens) °C	DIN 53458	100	105	100	78
Dimensional stability under heat TG °C	°C	115	120	115	90

Tempering cycle



A step-by-step tempering with ensuing cooling-down phase should be observed at all events!

How to process the material

Mix resin and hardener in the indicated mixing ratio until the compound is homogeneous. Processing of the material should be effected at temperatures between 10°C and 30°C, as far as possible. All common processing methods can be applied.

The pot life depends on the kind of hardener used as well as on the ambient temperature.

Form of delivery

NEUKADUR EP 986

receptacles of 5, 30, 220 kg

NEUKADUR Hardener 242 / 244 / 246 / 269

receptacles of 1, 5, 10, 25 kg

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 the products.