

# NEUKADUR VG ALU

Epoxy Casting Compound  
Aluminium-filled

# altropol

## Main features

- hard
- heat-resistant
- machinable

## Applications

- tool manufacture in the face casting
- vacuum deep-drawing moulds
- foaming moulds
- foundry facilities

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

		NEUKADUR VG ALU	NEUKADUR Hardener VG L	NEUKADUR Hardener T 39	NEUKADUR Hardener 163
Colour		grey	yellowish	yellowish	
Density 20 °C	g/cm <sup>3</sup>	1.8	0.95	0.95	
Viscosity 20°C	mPas	60,000	150	100	

## Properties of the mixture (approx. values)

Mixing ratio	p.b.w.	100	10	8	15
Mixed viscosity	mPas		10,000	12,000	*
Pot life	(1000g) Minuten		180	85	9
Curing time	Stunden		36 - 48	36 - 48	2 - 4
Density	g/cm <sup>3</sup>		1.7	1.7	*
Hardness	Shore D		84	86	70
Heat resistance	Martens °C		100	96	*
Tensile strength	N/mm <sup>2</sup>		*	*	*
Elongation at break	%		0,3	1.4	*
Modulus in tension	N/mm <sup>2</sup>		4,300	9,000	*
Compressive strength	N/mm <sup>2</sup>		*	*	*
Thermal conductivity	W/K • m		0.65	0.65	0,65
Coefficient of linear thermal expansion	10 <sup>-6</sup> K <sup>-1</sup>		35 - 40	35 - 40	35 - 40
Linear shrinkage	mm/m		0.1	0.04	*

## How to process the material

Before every use, stir up the resin component thoroughly as otherwise the fillers might deposit. Mix in the hardener component with care but intensively to ensure an optimal wetting and to prevent air inclusions. We recommend to let the mixed casting resin compound rest for 10 to 15 minutes before casting it in order to allow the possibly incorporated air to escape. The pot life depends on the temperature and batch sized involved.

## NEUKADUR VG ALU

Epoxy Casting Compound  
Aluminium-filled

# altropol

---

### Form of delivery

NEUKADUR VG ALU	10 kg
NEUKADUR Hardener VG L	1.0 kg
NEUKADUR Hardener T 39	0.8 kg
NEUKADUR Hardener 163	0.5 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. NEUKADUR® Hardener T 39 crystallizes at temperatures below 15 °C. When being heated up to approx. 40 °C, the hardener liquefies again without changing its properties.

---

---

### 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.

---