

# NEUKADUR MultiCast 27

2 C-PUR-Cast-System

Universal binder - filled, long pot life

# altropol

## Main features

- very low exothermic reaction
- easy to process
- very low shrinkage
- very good through-curing

## Applications

- high-layer and high-volume casts
- production of negatives/positives
- universally for all kinds of moulds and patterns

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

		<b>NEUKADUR MultiCast 27</b>	<b>NEUKADUR Hardener ISO 5</b>
Colour		neutral	brown
Mixing ratio	p.b.w.	100	25
Density 20 °C	g/cm <sup>3</sup>	1.60	1.20
Viscosity (RT)	mPa·s	18,000	50

## Properties of the mixture (approx. values)

Colour			white-beige
Mixed viscosity (RT)	mPa·s		1,500
Density 20 °C	g/cm <sup>3</sup>	DIN 53479	1.45
Hardness	Shore D	DIN 53505	78
Pot life (RT)	minutes		90
Demoulding time at 25 °C			
4 - 5 mm	hours		24 - 36
30 - 40 mm	hours		24

## Mechanical values (approx. values)

Tensile elongation	%	DIN 53455	11
Tensile strength	MPa	DIN 53455	20
Flexural strength	MPa	DIN 53452	20
Bending elongation	%	DIN 53452	7
Modulus in flexure	MPa	DIN 53457	300
Dimensional stability under heat	°C	According to HDT	55
Impact strength	kJ/m <sup>2</sup>	EN ISO 179	5
Compressive strength	MPa	DIN 53454	70
Linear dimensional change	%	500 x 50 x 25 mm	0,08

\*RT = room temperature

## How to process the material

Before using NEUKADUR MultiCast 27, mix the same thoroughly until it has got a homogeneous appearance. Mix both components thoroughly with each other at room temperature (> 18°C) according to the indicated mixing ratio. Before casting make sure that the parts and moulds are free from humidity and non-evaporated release agent.

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

**NEUKADUR MultiCast 27**  
2 C-PUR-Cast-System  
Universal binder - filled, long pot life

**altropol**

**Form of delivery**

NEUKADUR MultiCast 27	1 kg	5 kg	10 kg	25 kg	200 kg
NEUKADUR Hardener ISO 5	0,25 kg	1,25 kg	2,5 kg	6,25 kg	50 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.

• 2020-05-06.6 / 12 / LW-W •

---

• [www.altropol.de](http://www.altropol.de) •

• Altropol Kunststoff GmbH • Rudolf-Diesel-Straße 9 - 13 • D-23617 Stockelsdorf • Tel. +49 451-499 60-0 •  
• Fax. +49 451-499 60-20 • E - Mail: [info@altropol.de](mailto:info@altropol.de) •