

# NEUKADUR PN 9721

2-C PUR Casting System  
Preliminary Data Sheet

# altropol

## Main features

- good through-curing
- good abrasion resistance
- based on renewable resources

## Applications

- individual block casting
- general casting applications

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

		NEUKADUR PN 9721 Comp. A	NEUKADUR PN 9721 Comp. B	Mixture unfilled	Filler Chalk
Colour		whitish-yellowish	slightly yellowish		white
Mixing ratio	p.b.w.	100	93	-	67
Density 20 °C	g/cm <sup>3</sup>	1.00	1.22	-	2.70
Viscosity 25 °C	mPa·s	930	550	-	-

## Properties of the mixture (approx. values)

Colour			slightly yellowish	white
Mixed viscosity (25 °C)	mPa·s		600	
Density (20 °C)	g/cm <sup>3</sup>	DIN 53479	1.15	
Hardness	Shore D	DIN 53505	80	82
Pot life (RT) (100 g)	minutes		20	25

## Mechanical values after 24 hours of tempering at 80 °C (approx. values)

Tensile elongation	%	DIN 53455	-	n. t.
Tensile strength	MPa	DIN 53455	-	n. t.
Flexural strength	MPa	DIN 53452	-	n. t.
Bending elongation	%	DIN 53452	-	n. t.
Modulus in flexure	MPa	DIN 53457	-	n. t.
Impact strength	KJ/m <sup>2</sup>	DIN 51230	-	n. t.
Compressive strength	MPa	DIN 53454	-	n. t.
Dimensional stability under heat TG after tempering 16 h 80 °C	°C			78
Linear dimensional change	%	500 x 50 x 25 mm		n. t.
Coefficient of expansion $\alpha_T$	[1/K]			$67.3 \times 10^{-6}$

\* RT = room temperature

n. t. = not tested

## How to process the material

Prior to use, mix NEUKADUR PN 9721 Comp. A thoroughly until the compound has got a homogeneous appearance. Share out the filler between both components, let the compound flash off for 15 to 30 minutes, homogenize once again carefully and then transfer Comp. A into Comp. B. Before casting, make sure that 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/and more/release agents.html>

**Form of delivery**

NEUKADUR PN 9721 Comp. A	on request
NEUKADUR PN 9721 Comp. B	on request
NEUKADUR Filler	on request

**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.

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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.

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