

**NEUKADUR PN 1611**  
 2 C PUR Casting System  
 Universal binder, filled, very low shrinkage

**altropol**

**Main features**

- very low exothermic reaction
- easy to machine
- good curing properties

**Applications**

- casting in very high layers
- universally for all kinds of moulds and pattern
- negative and positive casts

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

		<b>NEUKADUR PN 1611 Comp. A</b>	<b>NEUKADUR PN 1611 Comp. B</b>
Colour		neutral	brown
Mixing ratio	p.b.w.	100	16
Density (20 °C)	g/cm <sup>3</sup>	1.8	1.2
Viscosity (25 °C)	mPa·s	180,000	25

**Properties of the mixture (approx. values)**

Mixed viscosity (25 °C)	mPa·s		4,400
Density (20 °C)	g/cm <sup>3</sup>	DIN 53479	1.65
Hardness	Shore D	DIN 53505	80
Pot life (RT) (100 g)	minutes		45
Demouldable 25 °C (4 – 5mm)	hours		36
Demouldable 24 °C (30 – 40 mm)	hours		24

**Mechanical values of the cured product (approx. values)**

Tensile elongation	%	DIN 53455	6.5
Flexural strength	MPa	DIN 53452	46
Bending elongation	%	DIN 53452	1
Modulus in tension	MPa	DIN 53457	4,400
Linear shrinkage	%	500 x 50 x 20 mm	0.1

\*RT = room temperature

**How to process the material**

Stir up resin component thoroughly. This applies particularly in cases where the material was kept and/or transported at low temperatures. Material and ambient temperature should be approx. 20 °C.

Please observe the indicated mixing ratio.

NEUKADUR PN 1611 is sensitive to humidity. Before casting make sure that parts and moulds are free from humidity and non-vaporized release agent.

When being cast to untreated moist wood, the material may show an increased formation of bubbles at the interfaces. If the casting shall have perfect surfaces, we recommend the use of melamine-coated chip boards. For a good demoulding, we recommend our NEUKADUR release agent SE.

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

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**Form of delivery**

NEUKADUR PN 1611 Comp. A	1.00 kg	20.00 kg
NEUKADUR PN 1611 Comp. B	0.16 kg	3.200 kg

**Storage**

We recommend keeping the material in tightly closed original receptacles at temperatures of 15 - 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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• [www.altropol.de](http://www.altropol.de) •

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