

NEUKADUR PN 1645

2-C PUR Casting System
for Food Applications

altropol

Main features

- relatively fast curing
- very good flowability

Applications

- general casting applications which come into contact with food

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

		NEUKADUR PN 1645 Comp. A	NEUKADUR PN 1645 Comp. B
Colour		milky	slightly yellowish
Mixing ratio	p.b.w.	100	100
Density (20 °C)	g/cm ³	1.00	1.20
Viscosity (25 °C)	mPa·s	1,000	800

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s		900
Density (20 °C)	g/cm ³	DIN 53479	1.10
Hardness	Shore D	DIN 53505	80
Pot life (RT) (100 g)	minutes		5
Demouldable (RT)	minutes		60 - 90

Mechanical values of the cured product after 1 h of tempering at 70 ° C and 24 h of storage at RT (approx. values)

Tensile elongation	%	DIN 53455	*
Tensile strength	MPa	DIN 53455	*
Flexural strength	MPa	DIN 43452	*
Bending elongation	%	DIN 53452	*
Modulus in flexure	MPa	DIN 53457	*
Impact strength	KJ/m ²	DIN 51230	29
Linear dimensional change	%	500 x 50 x 25 mm	*

RT = room temperature

* work in progress

How to process the material

Application temperature: room temperature

Prior to use, homogenize NEUKADUR PN 1645 Comp. A thoroughly. Mix component A and component B intensively, then proceed to casting. The cured castings are then suitable for food applications.

Important: The user has at all events still to carry out a migration test and/or to have the same carried out at the final product. All monomers are authorized under regulation (EU) no. 10/211 of the Committee dated 14th of January 2011 on „materials and objects made of plastics which are intended for the purpose to come into contact with food“.

NEUKADUR PN 1645 Comp. B may crystallize at <20 °C. This occurrence is reversible at + 70 to 75 °C. Afterwards, the material should be kept again at 20 to 25 °C.

The melting temperature should not exceed 80 °C, if possible (risk of dimerization).

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 1645 Comp. A	1 kg	5 kg	10 kg
NEUKADUR PN 1645 Comp. B	1 kg	5 kg	10 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.

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