

NEUKADUR PN 9743

2 C-Polyurethane transparent casting system
Preliminary Data Sheet

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Main features

- easy to apply
- transparent
- UV-resistant
- very good durability

Applications

- prototyping
- production of technical parts
- production of decorative items

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

		NEUKADUR PN 9743 Comp. A	NEUKADUR PN 9743 Comp. B
Colour		transparent	transparent
Mixing ratio	p.b.w.	100	95
Density (20 °C)	g/cm ³	1.05	1.20
Viscosity (25 °C)	mPa·s	1400	550

Properties of the mixture (approx. values)

Mixed viscosity (23 °C)	mPa·s		930
Hardness	Shore D	DIN 53505	83
Pot life (23 °C)	minutes		25
Demould time (70 °C)	hours		3

Mechanical values of the cured product (approx. values)

Dimensional stability under heat	°C		60
Tensile elongation	%	DIN 53455	*
Shear strength	N/mm		*

*work in progress

How to process the material

Before using NEUKADUR PN 9743 Comp. A and NEUKADUR PN 9743 Comp. B, mix the same thoroughly until a homogeneous appearance has been obtained.

Mix both components thoroughly with each other at room temperature (> 18°C) according to the indicated mixing ratio.

Afterwards please degas the mixed components under full vacuum for approx. 3 min. to eliminate the incorporated air (through mixing) faster.

Before casting make sure that parts and moulds are free from humidity and non-evaporated release agent.

Form of delivery

NEUKADUR PN 9743 Comp. A on request

NEUKADUR PN 9743 Comp. B 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).

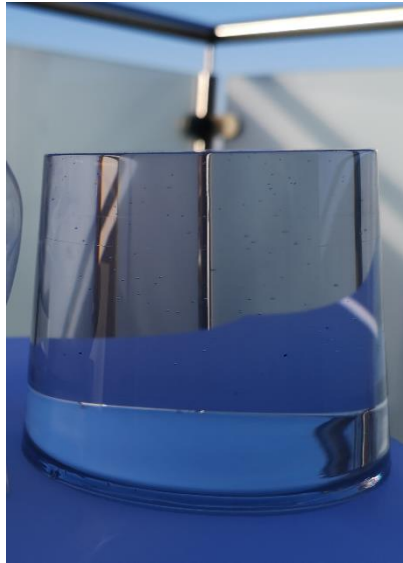
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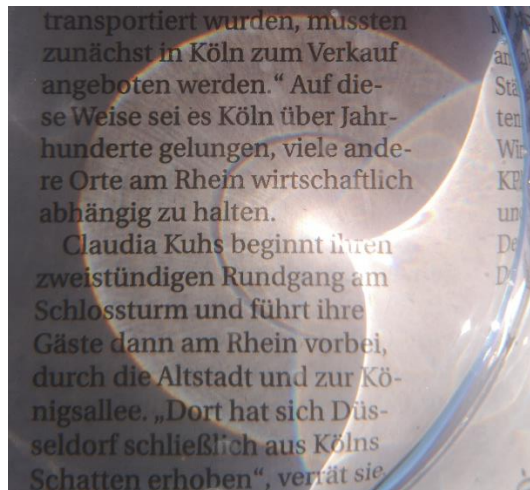
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Measure of precaution

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.



Transparent test of Neukadur PN 9743 (thickness of PN 9743 = 8 cm) on top of a newspaper



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 •

• 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 •