

Main features

- medium fast-curing
- low odour
- very high impact strength

Applications

- all kinds of moulds and patterns
- prototyping
- production of parts

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

		NEUKADUR PN 1515	NEUKADUR Hardener ISO 1
Colour		milky or black	yellowish
Mixing ratio	p.b.w.	100	90
Density (20 °C)	g/cm ³	1.00	1.20
Viscosity (20 °C)	mPa·s	800	100

Properties of the mixture (approx. values)

Mixed viscosity	mPa·s		350
Pot life (100 g)	minutes	room temperature	5

Mechanical values of the cured product (approx. values)

Demoulding time depending on thickness of layer	hours		4
Hardness	Shore D	DIN 53505	75
Tensile strength	MPa	DIN 53455	33
Tensile elongation	%	DIN 53455	10
Flexural strength	MPa	DIN 53452	50
Modulus in flexure	MPa	DIN 53457	900
Dimensional stability under heat	°C	According to HDT	55
Impact strength	KJ/m ²	DIN 51230	50
Impact strength after tempering 4 h 80 °C	KJ/m ²	DIN 51230	100

How to process the material

Prior to use, mix NEUKADUR PN 1515 thoroughly until it has obtained a homogeneous appearance.

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

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

The good impact strengths are obtained after 2 days of curing at room temperature.

By tempering the material at 80 – 100 °C or by processing it at 50 °C and tempering it afterwards, you will achieve the final properties much faster.

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

NEUKADUR PN 1515

2-C PUR Fast-Cast System

altropol

Form of delivery

NEUKADUR PN 1515	1 kg	5 kg	10 kg	30 kg	200 kg
NEUKADUR Hardener ISO 1	1 kg	5 kg	10 kg	30 kg	200 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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• 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 •