

Main features

- properties similar to those of ABS
- medium-viscous
- processible by machine
- very high impact strength
- very fast curing

Applications

- prototyping
- production of technical parts
- small-lot production

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

		NEUKADUR ProtoRIM 130 R Comp. A	NEUKADUR ProtoRIM 130 R Comp. B
Colour		light beige or black	brown
Mixing ratio	p.b.w.	100	80
Density (20 °C)	g/cm ³	1.03	1.20
Viscosity (25 °C)	mPa·s	1,400	250

Properties of the mixture (approx. values)

Mixed viscosity (25 °C)	mPa·s		1,250
Pot life	seconds		60
Demouldable (20 °C) 3 - 5 mm	min		18
Hardness	Shore D	DIN 53505	80
Colour			light ivory or black

Mechanical values after 4 h 80 °C (approx. values)

Tensile strength	MPa	DIN 53455	40
Tensile elongation	%	DIN 53455	20
Flexural strength	MPa	DIN 53452	58
Bending elongation	%	DIN 53452	7
Modulus in flexure	MPa	DIN 53457	1,050
Impact strength	KJ/m ²	DIN 51230	45
Dimensional stability under heat	°C	HDT	130
Linear dimensional change	%	500 x 50 x 3 mm	0.14

How to process the material

To achieve optimal results, process NEUKADUR ProtoRIM 130 R ideally in 2-component low-pressure casting machines.

NEUKADUR ProtoRIM 130 R comp. B may crystallize out at temperatures below 18 °C.

This appearance is reversible. To get there, keep the material at 80 °C for several hours and consider the elevated vapour pressure of the isocyanate (use exhauster, if necessary).

NEUKADUR ProtoRIM 130 R

2-C PUR RIM System
ABS

altropol

Stir up NEUKADUR ProtoRIM 130 R thoroughly before use.

The indicated values are only obtained after the above described tempering.

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

Form of delivery

NEUKADUR ProtoRIM 130 R Comp. A	5 kg	25 kg	220 kg
NEUKADUR ProtoRIM 130 R Comp. B	4 kg	20 kg	180 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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