

NEUKADUR ProtoRIM 100 R

2-C PUR RIM System
ABS

altropol

Main features

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

Applications

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

			ProtoRIM 100 R Comp. A	ProtoRIM 100 R Comp. B
Colour			light beige *	brown
Mixing ratio	p.b.w.		100	80
Density 20 °C	g/cm ³		1.03	1.20
Viscosity mPas	(25°C)		1,650	350
Mixed viscosity	(25°C)			1,000
Pot life in seconds	(20°C)			40 - 50
Demouldable (min)	(20°C, 3-5 mm)			10 - 15

* also available in black (dyed)

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

Hardness	Shore D	DIN 53505		78
Colour				light ivory *
Tensile strength	MPa	DIN 53455		38
Tensile elongation	%	DIN 53455		31
Flexural strength	MPa	DIN 53452		56
Bending elongation	%	DIN 53452		20
Modulus in flexure	MPa	DIN 53457		1,000
Impact strength	KJ/m ²	DIN 51230		70
Dimensional stability under heat	°C	HDT		100
Linear shrinkage	% approx.	500 x 50 x 3 mm		0.14

* also available in black (dyed)

How to process the material

To obtain optimal results, NEUKADUR ProtoRIM 100 R is ideally processed in 2-component low-pressure casting machines.

NEUKADUR ProtoRIM 100 R Comp. B may crystallize out at temperatures below 18°C. This appearance is reversible. To get there, keep the material at approx. 80°C for some hours and consider the elevated vapour pressure of the isocyanate (use exhauster, if necessary).

ProtoRIM 100 R has to be homogenized thoroughly before use.

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

Form of delivery

NEUKADUR ProtoRIM 100 R Comp. A 1 kg ; 5 kg ; 10 kg ; 30 kg und 220 kg

NEUKADUR ProtoRIM 100 R Comp. B 0,8 kg ; 4 kg ; 8 kg ; 24 kg und 180 kg

Storage

The material should be kept in tightly closed original receptacles at temperatures of 20 - 25 °C. When duly stored, the materials can be used within the shelf life indicated on the labels.

Measure of precaution

Users should make use of the current safety data sheets, which contain physical, ecological, toxicological and other data relating to safety, to inform themselves on the safe handling and storage of the products.

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