

# NEUKADUR ProtoRIM 111 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 modulus in flexure

## Applications

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

			ProtoRIM 111 R Comp. A	ProtoRIM 111 R Comp. B
Colour			light beige *	brown
Mixing ratio	p.b.w.		100	100
Density 20 °C	g/cm <sup>3</sup>		1.00	1.20
Viscosity mPas	(25°C)		2,000	150
Mixed viscosity	(25°C)			1,000
Pot life in seconds	(20°C)			50 - 60
Demouldable (min)	(20°C, 3-5 mm)			10 - 15

\* also available in black (dyed)

## Mechanical values (approx. values after 2h 80°C + 2h 110°C)

Hardness	Shore D	DIN 53505		83
Colour				light ivory *
Tensile strength	MPa	DIN 53455		60
Tensile elongation	%	DIN 53455		13
Flexural strength	MPa	DIN 53452		105
Bending elongation	%	DIN 53452		8.5
Modulus in flexure	MPa	DIN 53457		1,750
Impact strength	KJ/m <sup>2</sup>	DIN 51230		30
Dimensional stability under heat	°C	HDT		115
Linear shrinkage	% approx.	500 x 50 x 3 mm		0.30

\* also available in black (dyed)

## How to process the material

To obtain optimal results, NEUKADUR ProtoRIM 111 R is ideally processed in 2-component low-pressure casting machines.

By adding NEUKADUR ProtoRIM VZ, the pot life can be extended on request.

ProtoRIM 111 R has to be homogenized thoroughly before use.

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

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## Form of delivery

NEUKADUR ProtoRIM 111 R Comp. A 5 kg and 30 kg

NEUKADUR ProtoRIM 111 R Comp. B 5 kg and 30 kg

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## 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.

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## 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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