

NEUKADUR ProtoAmid 40

2-C PUR Vacuum Casting System

HD-PE

altropol

Main features

- properties similar to those of HD-PE
- medium-viscous
- very high flexibility
- very high impact strength
- processible by hand and machine

Applications

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

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

		ProtoAmid 40	ProtoAmid Comp. B 2
Colour		transparent amber	transparent brown
Mixing ratio	p.b.w.	100	25
Density (20 °C)	g/cm ³	1.00	1.20
Viscosity (25 °C)	mPa·s	1,800	100

Properties of the mixture (approx. values)

Colour			transparent amber
Mixed viscosity (25 °C)	mPa·s		1,500
Hardness	Shore D	DIN 53505	42
Pot life (RT) (100 g)	minutes		15
Demoulding time (70 °C)	minutes		45

Mechanical values of the cured product (approx. values after 5 h 80 °C)

Tensile elongation	%	DIN 53455	400
Tensile strength	MPa	DIN 53455	22
Resistance to tear propagation	N/mm	ASTM D 624 B	90
Modulus in flexure	MPa	DIN 53457	185
Impact strength	KJ/m ²	DIN 51230	>150
Dimensional stability under heat	°C	HDT	80

*RT = room temperature

How to process the material

NEUKADUR ProtoAmid 40 has to be homogenized thoroughly before use.

Before processing, degas NEUKADUR ProtoAmid 40 for 5 - 10 minutes under full vacuum, then mix both components intensively with each other according to the indicated mixing ratio. For casting, reduce the vacuum to approx. 50 mbar.

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

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

NEUKADUR ProtoAmid 40

2-C PUR Vacuum Casting System

HD-PE

altropol

Form of delivery

NEUKADUR ProtoAmid 40	1 kg	5 kg
NEUKADUR ProtoAmid Comp. B 2	0.25 kg	1.25 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.

• 2017-09-25.2 / 4 / LW-W •

• 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 •