

NEUKADUR ProtoCast 112

2-C PUR Vacuum Casting System
PE / PP

altropol

Main features

- properties similar to those of PE / PP
- low-viscous
- can be processed by hand
- impact resistant

Applications

- production of parts, prototyping
- universally for all kinds of moulds and patterns

			ProtoCast 112	Hardener PTG 8
Colour			milky white	yellowish
Mixing ratio	p.b.w.		100	75
Density 20 °C	g/cm ³		1.00	1.20
Viscosity mPas	(25°C)		200	1,000
Mixed viscosity	(25°C)			500
Pot life in seconds	(20°C)			120
Demouldable (min)	(70°C)			5 - 10

Mechanical values (approx. values after 1h 80°C)

Hardness	Shore D	DIN 53505		78
Colour				ivory
Tensile strength	MPa	DIN 53455		25
Tensile elongation	%	DIN 53455		18
Flexural strength	MPa	DIN 53452		32
Bending elongation	%	DIN 53452		23
Modulus in flexure	MPa	DIN 53457		460
Impact strength	KJ/m ²	DIN 51230		100
Dimensional stability under heat	°C	HDT		65
Linear shrinkage	% approx.	500 x 50 x 3 mm		0.20

How to process the material

ProtoCast 112 has to be homogenized thoroughly before use. 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-vaporized release agent.

At temperatures below +18°C, hardener PTG 8 tends to crystallize out. This appearance is reversible at approx. 60-70°C. For this, consider the elevated vapour pressure of the isocyanate (use exhaustor if, necessary)

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Form of delivery

NEUKADUR ProtoCast 112	1 kg, 5 kg, 30 kg
NEUKADUR Hardener PTG 8	0.75 kg, 1 kg, 22.5 kg

Storage

The material should be kept in tightly closed original receptacles at temperatures of 15 - 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.

Altropol Kunststoff GmbH
Daimlerstraße 9 · D-23617 Stockelsdorf
Tel. +49 (0)451-499 60-0 · Fax +49 (0)451-499 60-20
E-mail: info@altropol.de

www.altropol.de

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