

NEUKADUR ProtoFlex 190-05

2-C PUR Vacuum Casting System
Elastomer

altropol

Main features

- properties similar to those of hard rubber
- high restoring force
- can be processed by hand and machine
- good flowability
- very quick-curing

Applications

- prototyping
- production of technical parts
- moulds and patterns

		ProtoFlex 190-05	Hardener PTG 1	Hardener PTG 8
Colour		light beige *	light amber	amber
Mixing ratio	p.b.w.	100	54	65
Density 20 °C	g/cm ³	0.95	1.20	1.20
Viscosity mPas	(25°C)	5,000	100	300
Mixed viscosity	(25°C)		1,500	---
Pot life in minutes	(20°C)		5	---
Demouldable (hours)	(70°C)		2 - 3	4 - 6

* Also available in black (dyed)

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

Hardness	Shore A	DIN 53505	90	90
Colour			light ivory *	light ivory *
Tensile strength	MPa	ISO 37	15	---
Tensile elongation	%	ISO 37	150	---
Resistance to tear propagation	N/mm	DIN 53515	25	---
Dimensional stability under heat	°C	HDT	80	---
Linear shrinkage	% approx.	500 x 50 x 3 mm	---	---

* Also available in black (dyed)

How to process the material

NEUKADUR ProtoFlex-05 and the hardeners PTG 1 and/or PTG 8 are sensitive to low temperatures and may crystallize out at temperatures below +15°C. This occurrence is reversible at approx. 30 - 60°C.

The pot life as well as the demoulding time can be shortened by addition of the 10 % catalyst UL on request.

NEUKADUR ProtoFlex 190-05 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 ProtoFlex 190-05	1 kg and 5 kg
NEUKADUR Hardener PTG 1	0.54 kg and 1 kg
NEUKADUR Hardener PTG 8	1 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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