

NEUKADUR MultiCast 7

2-C PUR Fast Cast System
High impact strength (unfilled)

altropol

Main features

- casting system of very high quality
- extremely impact resistant (unfilled)
- clear increase in the impact strength by tempering
- low shrinkage
- fast curing

Applications

- production of negatives/positives
- universally for all kinds of moulds and patterns
- production of plastic parts

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

		NEUKADUR MultiCast 7	NEUKADUR Hardener ISO 1	Unfilled mixture	Mixture filled with NEUKADUR filler B
Colour		beige	yellowish	beige	beige
Mixing ratio	p.b.w.	100	80		300
Density (20 °C)	g/cm ³	0.95	1.20	1.08	1.6
Viscosity (RT)	mPa·s	250	100	150	4,400

Properties of the mixture (approx. values)

			Unfilled mixture	Filled mixture
Pot life (RT, 100g)	minutes		3.5	5.5
Demoulding time at 25°C				
4 - 5 mm	minutes		120	100
30 - 40 mm	minutes			45
Hardness	Shore D	DIN 53505	75	78

Mechanical values of the cured product (approx. values)

Tensile strength	MPa	DIN 53455	35	-
Tensile elongation	%	DIN 53455	5	-
Flexural strength	MPa	DIN 53452	50	36
Bending elongation	%	DIN 53452	-	1.5
Modulus in flexure	MPa	DIN 53457	1,000	3,200
Dimensional stability under heat	°C	according to HDT	75	-
Impact strength	kJ/m ²	EN ISO 179	25	6
Impact strength after tempering, 8 h 80 °C	kJ/m ²	EN ISO 179	50	8
Compressive strength	MPa	DIN 53454	-	70
Linear dimensional change	%	500 x 50 x 25 mm	-	0.20

How to process the material

Before using NEUKADUR MultiCast 7, mix the same thoroughly until it has got a homogeneous appearance.

Mix both components thoroughly 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-evaporated release agent.

For layers with a thickness of > 5 mm, we recommend the use of fillers, e. g. NEUKADUR filler B.

We also recommend sharing out the quantity of filler between both components.

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

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Form of delivery

NEUKADUR MultiCast 7	1 kg	5 kg	10 kg	30 kg
NEUKADUR Hardener ISO 1	0,8 kg	4 kg	10 kg	25 kg
NEUKADUR filler B	5 kg	10 kg	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.

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