



FormCast Rhino

FormCast Rhino is an easy-to-pour, low-viscosity polyurethane casting resin for many applications such as: decorative objects, prototypes, vacuum drawing molds, supporting caps etc. A paste resin can be obtained by adding fillers.

Processing data

Product	Mixture	Resin	Hardener
Colour	ivory	white	yellow
Mixing ratio weight		100	100
Mixing ratio volume		100	89
Viscosity at 25°C mPas	65 ± 20	120 ± 20	25 ± 10
Density at 20°C g / cm ³	1,10 ± 0,02	0,98 ± 0,02	1,10 ± 0,02
Pot life 200 g / 20°C min.	2,5 - 3,5	-	-
Curing time at RT hrs.	0,5 - 1,5	-	-

Physical data

Properties	Inspect. requirem.	Unit	Value
Flexural strength	EN ISO 178	MPa	60 ± 5
Flexural elongation at break	EN ISO 178	%	12 ± 0,3
Flexural modulus	EN ISO 178	MPa	1000 ± 100
Impact resistance (Charpy)	EN ISO 179	kJ/m ²	26 ± 2,5
Compressive strength	EN ISO 604	MPa	47 ± 5
Heat resistance (HDT)	DIN EN ISO 75 B	°C	84 ± 3
Shore hardness	DIN ISO 7619-1	Shore D 72	± 2
Coefficient of linear expansion	DIN 53752	10-6K-1	-
Linear shrinkage	internal	%	-

Processing instructions

The fillers should be stirred into the single components A and B, so they have nearly the same viscosity. After the both components can be mixed very well.

In case of small quantities and sufficient experience it is also possible to mix the unfilled components first and then to stir into the filler, without making the potlife too short for casting.

In General

This is a Polyurethane system.

Material should be carefully stirred up/ shaken before use.

Filler content and sales units are on the separate mixing table noted.

Storing

Storage at room temperature 18-25 °C.

Opened containers should be closed immediately after use and should be used up as soon as possible.

Shelf life is indicated on the labels.

Safety measure

Please follow the precaution instructions of the Government Safety Organisation of the chemical industry when working with this material. Please follow safety advices !

Waste Disposal

According to arrangement with local authorities cured material can be disposed as domestic or commercial waste.

Non-cured products are waste which is subject to inspection and has to be disposed accordingly.

In case of further questions please do not hesitate to contact our Department for Product Safety.