

NEUKADUR Quick yellow

Fast Curing Casting Compound for pattern and mould construction

NEUKADUR Quick is a 2-componente polyurethane casting compound consisting of polyol with selected fillers as component (A) and an isocyanate hardener (B).

The advantages of the NEUKADUR Quick-system are as follows:

- weak odour
- easy handling owing to:
 - low sedimentation
 - easy to stir up
 - low viscosity
 - adequate pot-life
- quick demoulding and core strength of the casting
- low shrinkage
- good mechanical strength
- hard material, good workability

NEUKADUR Quick component A and B

colour

Resin component A:	yellow
Hardener component B:	brown

Properties of the reaction product

mixing ratio	weight-%	100 : 20
viscosity of the mixture (20°C)	mPa s	approx. 2.300
pot-life (20°C)	min.	approx. 4 - 5
time of demoulding at 20 - 25°C	min.	approx. 15 - 90
density of the cured product (DIN 53479)	g/cm ³	approx. 1,5
Shore-D-Hardness (DIN 53505) (24 h / 20 - 25°C)		approx. 65
(7 d / 20 - 25°C)		approx. 80
Flexural strength (DIN 53452) (7 d / 20 - 25°C / 24 h 100°C)	Mpa	approx. 55
Impact strength DIN 53453 (7 d / 20 - 25°C / 24h 100°C)	(kJ): m ²	approx. 8
Dimensional stability under heat (Martens) DIN 53458		
7 d / 20 - 25°C	°C	approx. 45
24 h / 100°C	°C	approx. 80
Linear shrinkage ab 20°C (1000 mm x 50 mm x 20 mm)	mm/m	approx. 0,6

Processing

Porous moulds (wood, plaster of Paris e.g.) must be sealed before casting. The material must be casted in dry working rooms.

Fields of application:

NEUKADUR Quick is suitable for the manufacture of

- all kinds of moulds
- copy models
- foundry patterns, core-boxes and pattern-plates
- small castings where fine surface detail is required

Storage

At room temperature (20 - 25°C) and in closed drums the storage-stability will be max. 6 month.

Availability

packing-unit

preweighed packages box with 8 preweighed packages
1.000 g NEUKADUR Quick comp. A
200 g NEUKADUR Quick comp. B

5.000 g NEUKADUR Quick comp. A
1.000 g NEUKADUR Quick comp. B

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