NEUKADUR
Pattern Making Material PU 60

altropol

Main features

- fine and dense surface
- easy to mill, easily workable
- low coefficient of thermal expansion
- high edge stability
- good dimensional stability

Applications

- master patterns
- RIM moulds
- data control patterns
- styling patterns

Mechanical properties

			NEUKADUR Pattern making material PU 60
Colour	optical		brown
Density 20 °C	ISO 1183	g/cm³	0.60
Shore D-hardness	ISO 868		50 - 55
Coefficient of thermal expansion	ISO 11359	$10^{-6}K^{-1}$	50 - 55
Dimensional stability under heat, HDT	ISO 75	°C	70 - 76
Compressive strength	ISO 604	MPa	16 – 21
Flexural strength	ISO 178	MPa	16 - 20

How to machine the material

The material should be machined in the temperature range of 20 °C – 25 °C.
The NEUKADUR pattern making material PU 60 can be machined with the common wood working tools. Machining – planing, milling, drilling, sawing, turning – takes place without any important annoyance caused by dust and bad smell. High cutting speeds are possible.

Adhesive

NEUKADUR KL 65	1 kg Comp. A
based on epoxy resin, pot life approx. 10 min	1 kg Comp. B

Form of delivery

The boards are available with parallel faces in the following dimensions:
1500 x 500 x 100 mm (= 75.00 l) 20 pcs./pallet

Storage

The material should be kept flat and dry. Avoid heavy thermal fluctuations in storage and transit.

Measure of precaution

During processing, take care that the workplace is sufficiently ventilated. At the same time, the protective regulations of the professional association regarding the industrial hygiene for the handling of reaction resins and their hardeners have to be observed. Please observe the respective safety data sheets.

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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