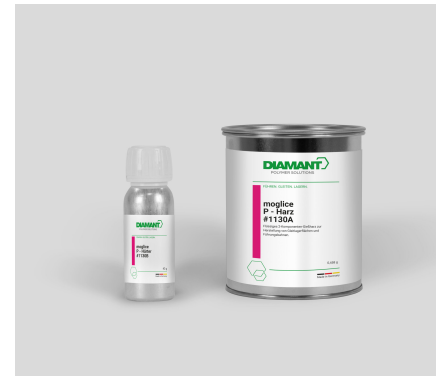


■ moglice moglice P #1130

Product description

moglice P is a high-viscosity 2-component sliding surface. This is used for the production of guides, sliding bearings and sliding surfaces. The precise moulding technology enables complex shapes and structures without mechanical processing with a precision in the μm range. In modern production technology, process times and costs can be reduced many times over. The material can be detached from the counter surface by using a micro-thin layer of Diamant release agent. The result is an exact copy of the workpiece surface.



Typical applications

- Sliding coverings and guides in mechanical engineering
- Slides for punching sliders with permanent lubrication
- Sliding surfaces for surface air bearings on glass grinding machines
- Slides for transport systems for electronic elements such as waivers, displays or photovoltaics
- Guides for positioning at high speeds
- Sliding surfaces in pressure cylinders
- Sliding surfaces in lubrication-free actuators and clutch elements
- Repairs of sliding surfaces

Characteristics

- simple, pasty application by means of filler technology
- μm -precise molding
- High dimensional stability
- High resistance to cooling emulsions, mineral and synthetic lubricants and cutting agents
- Anti-Sick-Slip behaviour
- Emergency running characteristics
- Excellent load transfer due to complete contact surfaces

Chemical resistance

For questions about chemical resistance please contact our technicians.

Pack sizes

Article	Description
V05 250g	

Custom sizes on request.

Product data condition of delivery

Hue component A (resin)	grey
Component B (hardener)	colorless
Storability	18 months at 5°C to 20°C
Viscosity	pasty
Mixing ratio	(A:B) (gr) 92:8
Pot life	50 minutes at 20°C
Curing complete for deformation	24 hours at 20°C 18 hours at 20°C
Processing temperature	10°C to 30°C

Product data outreacted product

Density	1.7 g/cm ³	
Compressive strength	120 N/mm ²	DIN EN 12190:1998
Strength	88	
E-Modul	10400 N/mm ²	DIN EN 13412:2006
temperature resistance (permanent)	-20 to +60 °C	
temperature resistance (short-term)	-40 to +125 °C	
Shrinkage	less than 0,1 %	DIN EN 12617-4/2002

Storage / Shelf life

Store in original, unopened container in a dry, cool and frost-free place (+5°C to +20°C). Shelf life 18 months. Protect from direct sunlight. Higher temperatures reduce the shelf life.

Preparation of the bonding surface

Roughen the guide surface to be coated to improve adhesion. The peak-to-valley height should be 0.5mm (Rt-500µm). The roughening can be produced with a cutter head with a large feed on a milling machine.

Mixing Procedure

To mix moglice P, add component B completely to the container of component A. Mix intensively with a drill and the DIAMANT mixing propeller (Prod. No. #0789) (max. 250 rpm for approx. 2 minutes). Scrape off any material adhering to the wall of the container with a spatula and add to the mixture. Mix again thoroughly.

Aerate

remove moglice P from the container immediately after mixing and spread thinly on a clean sheet. By spreading out, part of the reaction heat is dissipated and thus the processing time is extended.

Description of use

Apply a thin layer of adhesion firmly to the adhesive base with the spatula. Fill in the rest in a roof-shaped manner without trapping air.

Qualification and Service

To ensure the best possible quality as well as error-free application, we offer the following services:

- Consultation by phone and/or at your site
- Site supervision and monitoring of the work by our experienced application technicians
- Complete execution of the work by our experienced application technicians

Disposal

Unused residual material from the cans can be disposed of normally when mixed in the correct ratio and fully cured (EAKV170203). Unmixed material must be disposed of as chemical waste (EAKV 080111). When booking the Diamant Service Team, waste will be disposed of by us.

Safety data sheet

Please read the corresponding safety data sheet before processing the product. Material Safety Data Sheets are available on a daily basis upon request via info@diamant-polymer.de or by phone +49-2166-98360. DIAMANT guarantees the product properties as long as they are stored and used according to the specifications listed here. DIAMANT does not assume any responsibility for the

processing of the material. Our technicians will be happy to answer any further questions you may have.

Accessories / processing equipment

#1354 Release agent, liquid#1355 Release agent, spray 500 ml#1417 Cleaner, liquid#1534 Cleaner, spray 500 ml#78 Spatula, DIAMANT green#78-1 Spatula, wide#0789 Mixing propeller

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