

MOLYKOTE® PTFE-N-UV ANTI-FRICTION COATING

Air-curing dry lubricant

FEATURES

- ◆ Very low coefficient of friction
- ◆ Colourless, therefore non-staining

COMPOSITION

- ◆ PTFE
- ◆ Binder
- ◆ Solvent

APPLICATIONS

- ◆ Suitable for rubber guides, sliding doors, furniture hinges, small mechanisms in office machines and sunroof seals.
- ◆ For nearly all material combinations such as metal/metal, plastic/metal, plastic/plastic combinations involving slow to medium movements and low loads.

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard*	Test	Units	Result
	Colour		Colourless
Physical properties			
DIN 53211/4	Viscosity at 20°C (DIN4 cup)	s	12
DIN 53217/2	Density at 20°C	g/ml	0.87
	Solid content ¹	%	23
	Storage life	months	24
Temperature			
	Service temperature range	°C	-180 to +240
	Drying time at 20°C	min	5-10
	Curing time	min/°C	120/20
Load-carrying capacity, wear protection, service life			
ASTM-D2714	LFW-1, rotating ²		b=6
	F=680 N, n=72 min ⁻¹ , v=7.9 m/minutes ²		p=30
	no. of revolutions x1000 to μ=0.1 ²		s=10

1. Calculated value.

2. Surface pretreatment: b = blank, p = phosphated, s = sand blasted.

* ASTM: American Society for Testing and Materials.

DIN: Deutsche Industrie Norm

HOW TO USE

Surface preparation

First clean and degrease the surface which will be coated with MOLYKOTE PTFE-N-UV Anti-Friction Coating. Phosphatization or sandblasting (180 grid) increases the adhesion and service life.

How to apply

Stir the Anti-friction Coating thoroughly before applying by spraying, dipping, centrifuging or brushing. Recommended dry film thickness: 5 to 20μm.

Curing

120 minutes at 23°C

Solubility

Thinning can be carried out using MOLYKOTE® L13 Thinner.

HANDLING PRECAUTIONS

A Product Safety Data Sheet should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

USABLE LIFE AND STORAGE

When stored at or below 20°C in the original unopened containers this product has a usable life of 24 months from the date of production.

Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

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12/98**