

MOLYKOTE® PTFE-N UV Anti-friction coating

FEATURES

- Very low coefficient of friction
- Colorless, therefore non-staining
- Detectable on the surface

COMPOSITION

- PTFE
- Binder
- Solvent
- Ultra-Violet indicator

Air-curing dry lubricant

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 medium loads.
- The UV indicator enables the end user to readily inspect and confirm, using UV inspection lamps, that the product has been applied to the substrate.

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Standard*	Test	Unit	Result
	Color		Colorless
	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/minute ²		p=30
	no. of revolutions x1000 to $\mu=0.1^2$		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 20°C

Solubility

Thinning can be carried out using MOLYKOTE® L13 Thinner.

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

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.

PACKAGING

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

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Health, Environment and Regulatory Affairs specialists available in each area.

For further information, please see our website, www.dowcorning.com or consult your local Dow Corning representative.

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