

MOLYKOTE® PTFE-N UV Anti-Friction Coating

Air-curing dry lubricant

Features

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

Composition

- PTFE
- Binder
- Solvent
- Ultraviolet indicator

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.

How to use

Surface preparation

First, clean and degrease the surface that 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 20 µm.

Curing

120 minutes at 20°C.

Solubility

Thinning can be carried out using MOLYKOTE® L13 Thinner.

Typical properties

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

Standard ⁽¹⁾	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 ⁽²⁾	%	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⁽³⁾			
ASTM D2714	LFW-1, rotating F=680 N, n=72 min ⁻¹ , v=7.9 m/minute no. of revolutions x1000 to µ=0.1		b=6 p=30 s=10

⁽¹⁾DIN: Deutsche Industrie Norm. ASTM: American Society for Testing and Materials.

⁽²⁾Calculated value.

⁽³⁾Surface pretreatment: b = blank, p = phosphated, s = sandblasted.

Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND 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.

Packaging

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

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