MOLYKOTE® P-1900 FM Paste Spray

Light-colored grease-paste spray with solid lubricants

PRELIMINARY DATA

Features

- Low coefficient of friction
- Applicable for food industry applications
- No intentional polytetrafluoroethylene (PTFE) or per- and polyfluoroalkyl substances (PFAS)

Composition

- Mineral oil
- Aluminum complex thickener
- Solid lubricants

Applications

MOLYKOTE® P-1900 FM Paste Spray is designed for lubrication of mechanical components in food and beverage processing equipment, such as threads/fasteners or injection-molding pins. It can be used on sliding surfaces and friction contacts under heavy loads, especially at low to medium speeds.

Description

MOLYKOTE® P-1900 FM Paste Spray is an anti-seize paste spray that is fortified with a synergistic combination of solid lubricants. It meets the NSF H1 regulation for incidental food contact.

How to use

The contact points should be cleaned wherever possible. Shake spray can before spraying. Paste should be sprayed precisely to lubricating points. Wait at least 15 minutes before operation. Do not spray on hot parts.

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.

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			White
Spray rate, density			
	Spray rate (with tube)	g/min	135 to 165
	Density at 20°C (active matter)	g/cm³	1.0 to 1.04
Temperature			
	Service temperature range[2]	°C	-30 to +300
Load-carrying capacity, wear protection			
ASTM D5706-05	SRV test LCC	N	1400
ASTM D5707-05	SRV test endurance		μ = 0.13 (120 min)
Coefficient of friction (screw test)			
	Screw test (Schatz); coefficient of friction in bolt connection M12, 8.8 blackened		
	μ (head)		0.09
	μ (thread)		0.11
	K-factor		0.14
	Screw test (Schatz); coefficient of friction in bolt connection M12, V2A 1.4301		
	μ (head)		0.11
	μ (thread)		0.12
	K-factor		0.16
High-temperature breakaway torque			
	Initial breakaway torque at 300ºC/21 hours with material no. 1.7709 (starting torque 56 Nm)	Nm	70
Corrosion protection			
	Salt spray test		100 h pass

[1]ASTM: American Society for Testing and Materials.
[2]After propellant/solvent evaporation.

Usable life and storage

MOLYKOTE® P-1900 FM Paste Spray has a usable life of 24 months when stored at or below 20°C in the original, unopened container.

Packaging

This product also is available as pure anti-seize paste that can be applied via brushing. Detailed information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

Form No. 01-1166-01 (01/24) AGP17389