MOLYKOTE® P-1900 FM Anti-Seize Paste

Light-colored grease-paste with solid lubricants

Features

- Meets FDA Regulations 21 CRF 178.3570 and NSF H1 classification for incidental food contact
- Low coefficient of friction
- Good water resistance
- High load-carrying capacity

Composition

- Mineral oil
- Aluminum complex thickener
- Solid lubricants

Applications

Lubrication of mechanical components in food and beverage processing equipment. Sliding surfaces and friction contacts to heavy loads, especially at low to medium speeds.

Description

MOLYKOTE® P-1900 FM Anti-Seize Paste is a mineral-oil-based anti-seize paste fortified with a synergistic combination of solid lubricants that meets FDA regulations 21 CRF 178.3570 and NSF H1 classification for incidental food contact. MOLYKOTE® P-1900 Paste offers excellent low coefficient of friction and high load-carrying capacity.

How to use

The contact points should be cleaned, wherever possible. Paste should be applied using a suitable brush. It can be delivered by a grease gun. Excess lubrication does not cause harm.

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. THE SAFETY DATA SHEET IS AVAILABLE ON THE DUPONT WEBSITE AT MOLYKOTE.COM, OR FROM YOUR MOLYKOTE® SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING MOLYKOTE® CUSTOMER SERVICE.

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
Consistency, density, viscosity			
DIN 51818	NLGI Consistency Class		1
	Unworked penetration	mm/10	290-340
ISO 2811	Density at 20ºC	g/ml	1.11
DIN 51562	Base oil viscosity at 40ºC	mm^2/s	34
Temperature			
	Service temperature range	ºC	-30 to +300
Load-carrying capacity, wear protection, speed			
DIN 51350 T4	Four ball tester, weld load	N	3,200
DIN 51350 T5	Four ball tester, wear scar under 800 N load	mm	0.90
Coefficient of friction			
	Screw test (Erichsen); coefficient of friction in bolt connection M 12 8.8;		
	µ thread		0.10
	µ head		0.10
	Screw test (Erichsen); coefficient of friction in bolt connection M12, material no. 1.4301		
	µ thread		0.11
	µ head		0.11
	Initial breakaway torque at 300ºC/21 hours with material no. 1.7709 (starting torque M = 56 Nm)	Nm	85
	Press-Fit test, µ=		0.10 No chatter

[1] DIN: Deutsche Industrie Norm. ISO: International Standardization Organization.

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Usable life and storage

MOLYKOTE® P-1900 FM Anti-Seize Paste has a usable life of 60 months when stored at or below 20ºC in the original, unopened containers.

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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