

# MOLYKOTE® P-1900 FM Anti-Seize Paste

Light-colored grease-paste with solid lubricants

## Features

- Meets FDA Regulations 21 CFR 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 CFR 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 <sup>(1)</sup>                               | Test  | Unit               | Result             |
|---|---|--------------------|--------------------|
|   | Color   |                    | White              |
| <b>Consistency, density, viscosity</b>                |   |                    |                    |
| DIN 51818   | NLGI Consistency Class  |                    | 1                  |
|   | Unworked penetration  | mm/10              | 290-340            |
| ISO 2811  | Density at 20°C   | g/ml               | 1.11               |
| DIN 51562   | Base oil viscosity at 40°C  | mm <sup>2</sup> /s | 34                 |
| <b>Temperature</b>                                    |   |                    |                    |
|   | Service temperature range   | °C                 | -30 to +300        |
| <b>Load-carrying capacity, wear protection, speed</b> |   |                    |                    |
| 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               |
| <b>Coefficient of friction</b>                        |   |                    |                    |
|   | 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 300°C/21 hours with material no. 1.7709 (starting torque M = 56 Nm) | Nm                 | 85                 |
|   | Press-Fit test, μ=  |                    | 0.10<br>No chatter |

<sup>(1)</sup> DIN: Deutsche Industrie Norm. ISO: International Standardization Organization.

Continued on next page

## Usable life and storage

MOLYKOTE® P-1900 FM Anti-Seize Paste has a usable life of 60 months when stored at or below 20°C 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.

*DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.  
© 2003-2019 DuPont.*

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.