

## Product Information

# Speciality Lubricants

## MOLYKOTE<sup>®</sup> P-1900 Food Grade 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 & Beverage processing equipment. Sliding surfaces and friction contacts exposed to heavy loads, especially at low to medium speeds.

### TYPICAL PROPERTIES

Specifications 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	Property	Unit	Value
	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	85
	<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	3200
DIN 51350 T5	Four ball tester, wear scar under 800N 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
			no chatter
	<b>Resistance</b>		
DIN 51807 T1	Water resistance, static		1 - 90

[Tabulate and ensure consistency with Specs. and LARS. For column headings use Test Method (CTM, ASTM as applicable), Property, Unit and Value.  
SUBSTANTIATION IS NECESSARY.]

---

\* CTM : Corporate Test Method, copies of CTM's are available on request.  
\* DIN : Deutsches Institut fuer Normung.

## 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 harm.

## HANDLING PRECAUTIONS

[The standard text automatically included will normally suffice but in unusual cases add any special precautions specific to the product or other materials referred to within the data sheet e.g. solvents and primers.]

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](http://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

[If necessary give any special cautions e.g. regarding flammability, toxicity, storage temperatures etc. Ensure consistency with MDMS and between multi-component product documents (e.g. Base, Curing Agent, Kit).]

When stored at or below 20°C ([temperature(can be calculated by Huntskil Howard)]°F) in the original unopened containers, this product has a usable life of 60 months from the date of production.

## PACKAGING

This product is available in 400g cartridges, 1kg cans, 25kg pails and 180kg drums.

Samples are available in 1kg cans.

## 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 Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, [www.dowcorning.com](http://www.dowcorning.com) or consult your local Dow Corning representative.

**LIMITED WARRANTY  
INFORMATION - PLEASE  
READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

**DOW CORNING SPECIFICALLY  
DISCLAIMS ANY OTHER  
EXPRESS OR IMPLIED  
WARRANTY OF FITNESS FOR A  
PARTICULAR PURPOSE OR  
MERCHANTABILITY.**

**DOW CORNING DISCLAIMS  
LIABILITY FOR ANY  
INCIDENTAL OR  
CONSEQUENTIAL DAMAGES.**

WE HELP YOU INVENT THE  
FUTURE.™

**[www.dowcorning.com](http://www.dowcorning.com)**

