

Product Information

High Performance Lubricants

Molykote® P-1900

Food Grade Paste

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

BENEFITS

- Mineral oil
- Aluminum complex thickener
- Solid lubricants

Light-colored, grease-paste with 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

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Standard	Property	Unit	Value
	Color		White
	Consistency, Density, Viscosity		
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 ² /s	85
	Temperature		
	Service temperature range	°C	-30 to +300
	Load carrying capacity, wear protection, speed		
DIN 51350 T4	Four ball tester, weld load	N	3200
DIN 51350 T5	Four ball tester, wear scar under 800N 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 300°C / 21 hours with material no. 1.7709 (starting torque M = 56 Nm)	Nm	85
	Press-Fit test, μ =		0.10 no chatter
	Resistance		
DIN 51807 T1	Water resistance, static		1 - 90

* CTM: Corporate Test Method, copies of CTM's are available on request.

* DIN: Deutsches Institut fuer Normung.

DESCRIPTION

Molykote[®] P-1900 is a mineral oil based food grade paste, which meets FDA regulations 21 CFR 178.3570 and NSF H1 classification for incidental food contact. *Molykote*[®] P-1900 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 harm.

HANDLING PRECAUTIONS

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. 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

Molykote[®] P-1900 has a usable life of 36 months when stored at or below 20°C in the original unopened containers.

PACKAGING

Molykote[®] P-1900 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 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.

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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.

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