

# Product Information

## High Performance Lubricants

DOW CORNING

# Molykote® P-1900 Food Machinery Anti-Seize 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

## COMPOSITION

- 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 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*	Parameter	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	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	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 TI	Water resistance, static		1-90

\*DIN: Deutsche Industrie Norm.

ISO: International Standardization Organization.

## DESCRIPTION

*Molykote*® P-1900 Food Machinery 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 harm.

## HANDLING

### PRECAUTIONS

**PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL 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 DOW CORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.**

## USABLE LIFE AND STORAGE

*Molykote* P-1900 has a usable life of 60 months when stored at or below 20°C in the original unopened containers.

## PACKAGING INFORMATION

*Molykote* P-1900 is available in various standard industrial container sizes. Please contact your local Dow Corning office for specific availability in your area.

## 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, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

## LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

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