

MOLYKOTE® X Grease Paste

Solid lubricating grease paste for lubrication of metal friction combinations that have to work under high surface pressures

Features

- High load-carrying capacity
- Good water resistance and water-washout resistance
- Protection against seizure and premature wear
- Excellent corrosion protection

Composition

- Mineral oil
- Lithium soap
- Solid lubricants
- EP additive
- Corrosion inhibitor

Applications

Suitable for heavily loaded guides and plain bearings, thread spindles, bolts and trunnions, especially at low to average speeds. Used successfully on slideways and sliding shoes for bridge displacement systems.

How to use

Clean contact surface if possible, then apply lubricant paste with a brush or swab. Excess lubricant need not be removed. MOLYKOTE® X Grease Paste can be used in grease guns and centralized lubrication systems.

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.

Usable life and storage

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 60 months from the date of production.

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		Black
Penetration, density, viscosity			
ISO 2137	Unworked penetration	mm/10	255-275
ISO 2811	Density at 20°C (68°F)	g/ml	1.04
DIN 51 562	Base oil viscosity at 40°C (104°F) ⁽²⁾	mm ² /s	115
Temperature			
	Service temperature	°C	-30 to 135
		°F	-22 to 275
ISO 2176	Drop point	°C	205
		°F	401
ASTM D147880	Low-temperature torque test at -20°C (-4°F)		
	Initial break-away torque	Nm	130 x 10 ⁻³
	Torque after 20 minutes running time	Nm	83 x 10 ⁻³
DIN 51 805	Kesternich method – flow pressure at -20°C (-4°F)	mbar	440
Load-carrying capacity, wear protection, service life			
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	3,000
DIN 51 350 pt.5	Wear scar under 800 N load	mm	0.78
	Almen-Wieland machine		
	OK load	N	20,000
	Frictional force	N	1,050
Coefficient of friction			
	Press-fit test μ =		0.07

⁽¹⁾ISO: International Standardization Organization. DIN: Deutsche Industrie Norm. ASTM: American Society for Testing and Materials.

⁽²⁾Calculated viscosity of base oil mixture.

Continued on next page.

Typical properties (continued)

Standard ⁽¹⁾	Test	Unit	Result
Resistance			
DIN 51 807 pt.1	Water resistance, static, evaluation		1-90
Corrosion protection			
DIN 51 802	SKF-Emcor method Degree of corrosion		0
Oil separation - evaporation			
DIN 51 817	Oil separation, standard test	%	2.3

⁽¹⁾ISO: International Standardization Organization. DIN: Deutsche Industrie Norm. ASTM: American Society for Testing and Materials.

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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