MOLYKOTE® P-1042 Adhesive Grease Paste

Light-colored grease-paste fortified with solid lubricants; provides excellent adhesion on metallic surfaces

Features

- High load-carrying capacity
- Outstanding resistance to washout by water and metal machining emulsions
- Avoids tribo-corrosion
- Prevents stick-slip
- Excellent protection against galling
- High tack for extended durability

Composition

- Mineral and synthetic base oils
- Lithium soap
- Solid lubricants
- Adhesion improver
- Corrosion protection

Applications

Harsh metal-to-metal applications where high loads, temperatures and/or humidity are present. Sliding surfaces exposed to high-pressure loadings and subjected to the influence of water emulsions of metal machining as found in clamping tools.

How to use

Clean the contact areas. Apply with brush, spatula, grease gun or automatic lubricating device. Can be used in central 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.

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		Light beige
DIN 51818	NLGI Class		1-2
ISO 2137	Worked penetration	mm/10	285-320
ISO 2811	Density at 20°C	g/ml	1.28
	Service temperature		
	as paste	°C	-25 to +120
	as solid lubricant	°C	+ 500
ISO 2176	Drop point	°C	> 150
ASTM D1478-80	Low-temperature torque test at -20°C		
	Initial break-away torque	Nm	< 300 x 10^{-3}
	Torque after 20 min running time	Nm	< 100 x 10^{-3}
DIN 51805	Kesternich flow-pressure at -25°C	mbar	< 1,800
DIN 51350 pt.4	Four-ball tester weld load	N	9,000
DIN 51350 pt.5	Four-ball tester wear scar under 800 N load	mm	0.75
	Press-fit test	μ	0.1
	Friction coefficient of bolt connection[1]	μ thread μ bolt	0.11 0.12
DIN 51807 pt.1	Water resistance, static (90°C, 3 h)		0-90
DIN 51807 pt.2	Water washout (80°C, 1 h)	wt.-%	< 5
DIN 51 802	SKF-Emcor method Degree of corrosion		0-1

(1)DIN: Deutsche Industrie Norm. ISO: International Organization for Standardization. ASTM: American Society for Testing and Materials.
(2)Tested on Schatz screw tester with M12x1.75, blackened 8.8 bolts.

Usable life and storage

When stored between 0°C and 40°C 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 different standard container sizes as shown on **molykote.com**. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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