

MOLYKOTE® G72 Plastic Grease

Lithium complex soap-based grease for plastic/plastic and plastic/metal combinations in control cable applications

Features

- Plastic lubricity
- Compatibility with many plastics
- Broad service-temperature range
- Low-temperature characteristics
- Low oil evaporation

Composition

- Silicone oil
- Lithium complex thickener
- Plastic additives

Applications

Suitable for lubricating control cables, such as clutch cables, gear shift cables, hand brake cables and others.

How to use

MOLYKOTE® G72 Plastic Grease is easy to apply. First, clean the surface to be lubricated. Then, apply the grease using a brush, a spatula, a grease gun or an automatic lubricating device. During longer production interruptions (e.g., overnight), release pressure from the pump system.

Do not mix MOLYKOTE® G72 Plastic Grease with other greases.

Before using the product, compatibility tests with plastics should be carried out for swelling and shrinkage, stress cracking, changes in strength and hardness.

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 25°C 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
Appearance			
	Color		White to light grey
Consistency, density			
DIN 51 818	NLGI consistency class		0 to 1
ISO 2137	Worked penetration	mm/10	320-370
ISO 2811	Density at 20°C	g/ml	0.96
Temperature			
	Service temperature	°C	-40 to +200
ISO 2176	Drop point	°C	250
ASTM D147880	Low temperature torque test at -40°C		
	initial break away torque	10 ²³ Nm	35
	torque after 20 minutes running time	10 ²³ N	18
Oil separation - evaporation			
DIN 51 817	Oil bleed 24 hours, 150°C	%	1.1
	Oil evaporation, 24 hours, 150°C	%	1.4
Cable tester (1 Mio. cycles)			
	Efficiency	%	90
	Cable wear		None
Coefficient of friction			
	Steel ball against plastic surface Ø ball = 12.7 mm; load = 5 N; v = 10 cm/s; 24 h		0.02
Corrosion protection			
DIN 51 802	SKF-Emcors method		
	Degree of corrosion		0-1

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

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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