◂ **DUPONT** ▸™

MOLYKOTE® G-5042 Silicone Automotive Service Grease

Silicone grease for long-term lubrication over wide temperature range

Features

- Excellent low-temperature properties
- Compatible with many plastics and elastomers
- Low friction in steel against plastic substrates

Composition

- Siloxane base oil
- Lithium soap thickener

Applications

Designed for long-term lubrication of metal/plastic and plastic/plastic pairings over a temperature range of -50 to 170°C (-58 to 338°F). It can be used in a broad range of automotive applications (e.g., starter motor overrun clutches, control cables, windshield wiper motor gears).

Due to its color, the product easily can be visually detected after application.

How to use

Clean load-bearing surfaces. Apply grease using conventional grease application methods (e.g., brush, grease gun or automatic feed). MOLYKOTE® G-5042 Silicone Automotive Service Grease can be used in 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 between 0°C and 40°C in the original unopened containers, MOLYKOTE® G-5042 Silicone Automotive Service Grease 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		Purple
Consistency, density, viscosity			
ISO 2137	Penetration, worked 60, mm/10		300-350
DIN 51 562	Kinematic base oil viscosity at 25°C	mm^2/s	100
ISO 2811	Specific gravity, 20°C	g/ml	0.97
Temperature			
	Service temperature range	°C °F	-50 to +170 -58 to +338
DIN 51805	Flow pressure at -50°C Kesternich method	mbar	225
IP 396/02	Dropping point	°C	≥ 200
Oil bleed and evaporation			
ASTM D6184	Bleed (24 h, 150°C)	%	4.0
ASTM D6184	Evaporation (24 h, 150°C)	%	1.8
Corrosion resistance			
DIN 51 802	SKF-Emcor method – degree of corrosion		≤ 1
Coefficient of friction			
CTM 1089	Ball-plate test; ∅ ball = 12.7 mm, 5 N load, 10 mm/s, 1 h	µ	
	Steel ball vs. POM		0.03
	Steel ball vs. PA66		0.02

[1]DIN: Deutsche Industrie Norm. ISO: International Standardization Organization. ASTM: American Society for Testing and Materials. IP: Energy Institute IP Test Method. CTM: Corporate Test Method; | copies of CTMs are available upon request.

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.