

# *Molykote*<sup>®</sup> PG-75 High Performance Grease

## **FEATURES & BENEFITS**

- Suitable for long-term lubrication
- Good low temperature characteristics (usable down to -40°C)
- Very low coefficient of friction
- Compatible with many plastics and elastomers

## **COMPOSITION**

- Mineral oil
- Polyalphaolefine
- Lithium soap
- Solid lubricants

Lubricating grease for plastic/plastic and plastic/metal combinations with slow to medium-fast movements and light loads

## **APPLICATIONS**

- *Molykote*<sup>®</sup> PG-75 High Performance Grease is used on vehicle trackrod joints
- Used on control cables, gear boxes, worms, planetary gears and other plastic/plastic and plastic/metal contacts in automotive and electrical appliances
- Electromechanical actuators such as automotive sun roof tracks, window mechanism, HVAC

## **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.

Test*	Property	Unit	Result
	Color		Beige
<b>Consistency, density, viscosity</b>			
DIN 51 818	NLGI consistency class		Approx. 2
ISO 2137	Worked penetration	mm/10	270–300
ISO 2811	Density at 20°C	g/ml	0.86
DIN 51 562	Base oil viscosity at 40°C	mm <sup>2</sup> /s	32
<b>Temperature</b>			
	Service temperature	°C	-40 to +130
ISO 2176	Drop point	°C	>190
ASTM-D 1478-80	Low temperature torque test at -30°C		
	Initial break-away torque	Nm	222x10 <sup>-3</sup>
	Torque after 20 minutes running time	Nm	36x10 <sup>-3</sup>
DIN 51 805	Kesternich method - flow pressure at -20°C	mbar	280
<b>Load-carrying capacity, wear protection, service life</b>			
<b>Four-ball tester (VKA)</b>			
DIN 51 350 pt.4	Weld Load	N	1300
DIN 51 350 pt.5	Wear scar under 400 N load	mm	0.8

\*DIN: Deutsche Industrie Norm.

ISO: International Standardization Organization.

ASTM: American Society for Testing and Materials.

## TYPICAL PROPERTIES (continued)

Test*	Property	Unit	Result
<b>Coefficient of friction</b>			
	Steel ball against plastic surface (POM) dia (ball) = 12.7 mm; load = 5 N; v = 10 cm/s, 24 hours, $\mu$ =		0.02
<b>Corrosion protection</b>			
DIN 51 802	Degree of corrosion		1–2
<b>Oil separation - evaporation</b>			
DIN 51 817	Standard test	%	4.8
CTM 0033A	Oil bleeding, 24 hours, 100°C	%	3.3
CTM 0033A	Oil evaporation, 24 hours, 100°C	%	0.0

\*CTM: Corporate Test Method, copies of CTM's are available on request.

### HOW TO USE

#### How to apply

Clean points of contact. Apply in same way as lubricating greases, using brush, spatula, grease gun or automatic lubricating device. Suitable for delivery by central lubricating system. In the event of long breaks in service e.g. overnight, the pressure in the delivery equipment should be relieved. Not to be mixed with other greases.

Because of variation in quality of plastics and elastomers, compatibility tests should be carried out for swelling and shrinkage, stresscrack formation, and changes in strength and hardness.

### 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 DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.**

### USABLE LIFE AND STORAGE

When stored at or below 35°C in the original unopened containers, this product has a usable life of 60 months from the date of production.

### PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

### 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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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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