

MOLYKOTE® PG 30 L MOLYKOTE® EM 30 LG HIGH PERFORMANCE GREASES

FEATURES

- ◆ Contains no lead or nickel
- ◆ High load carrying capacity
- ◆ Suitable for long-term lubrication by virtue of low oil evaporation and low tendency towards oxidation
- ◆ Low friction coefficient
- ◆ Compatible with most plastics and elastomers
- ◆ MOLYKOTE EM 30 LG has identical technical data as MOLYKOTE PG 30 L; the only difference is the light green colour

COMPOSITION

- ◆ Polyalphaolefine
- ◆ Lithium soap
- ◆ Solid lubricants

High performance greases for plastic/plastic, plastic/metal and rubber/metal combinations involving slow and medium-fast movements and medium to heavy loadings.

APPLICATION

- ◆ Suitable for lubrication points with medium to heavy loadings and low to medium speeds.

TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard*	Test	Units	Result
	Colour (PG 30 L)		White
	Colour (EM 30 LG)		Light green
Consistency, density, viscosity			
DIN 51 818	NLGI consistency class		1
ISO 2137	Worked penetration	mm/10	310-340
ISO 2811	Density at 20°C	g/ml	0.90
DIN 51 562	Base oil viscosity at 40°C	mm ² /s	90
Temperature			
	Service temperature	°C	-45 to +130
ISO 2176	Drop point	°C	195
ASTM-D147880	Low temperature torque test at -50°C		
	Initial break-away torque	Nm	177x10 ⁻³
	Torque after 20 minutes running time	Nm	77x10 ⁻³
DIN 51 805	Kesternich method - flow pressure at -20°C	mbar	80
Load-carrying capacity, wear protection, service life			
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	3800
DIN 51 350 T.5	Wear scar under 400N load	mm	0.4
	Almen-Wieland machine		
	OK load	N	16000
Coefficient of friction			
	Steel ball against plastic surface (POM)		0.05
	μ= Ø ball = 12.7mm; load = 6.3N; v = 10mm/s; 24h		

TYPICAL PROPERTIES (continued)

Standard*	Test	Units	Result
	Resistance		
DIN 51 808	Oxidation resistance, pressure drop 100h, 99°C	bar	0.09
	Corrosion protection		
DIN 51 802	Degree of corrosion		2-3
	Oil separation		
DIN 51 817	Standard test	%	9.2

* ASTM: American Society for Testing and Materials.
ISO: International Standardisation Organisation
DIN: Deutsche Industrie Norm

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, stress-crack formation, and changes in strength and hardness.

HANDLING PRECAUTIONS

Product Safety Data Sheets should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

USABLE LIFE AND STORAGE

When stored at or below 20°C in the original unopened containers
MOLYKOTE PG 30 L
MOLYKOTE® EM 30 LG have a usable life of 36 months from the date of production.

Dow Corning will guarantee the usable life of these products until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

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

Dow Corning's Health, Environment and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

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