

MOLYKOTE® G-3500 Grease

Synthetic grease with anti-wear and anti-fretting performance

Features & benefits

- Wide service-temperature range (-40°C to +150°C)
- Enhanced oxidation stability
- Good elastomer and polymer compatibility

Composition

- Polyalkylene glycol (PAG) base fluid
- Solid lubricants for wear protection
- Lithium complex thickener

Applications

Plastic gear and gearbox compatibility. For use with electric motors where electrical resistivity is required, such as automotive electric parking brake actuation.

Description

MOLYKOTE® G-3500 Grease is a polyalkylene glycol (PAG)-based grease designed to be used as a lubricant for metal/metal and metal/plastic combinations, including sintered metal bearings and various polymers.

How to use

MOLYKOTE® G-3500 Grease can be applied by hand via brushing or wiping, by grease gun, or by automated dispensing equipment.

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

MOLYKOTE® G-3500 Grease has a shelf life of 60 months when kept in its original sealed container.

Packaging

MOLYKOTE® G-3500 Grease is supplied in 18 kg (40 lb) pails.

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		Orange
ASTM D217	Penetration, unworked	mm/10	265-295
ASTM D217	Penetration, worked 60 strokes	mm/10	265-305
	Specific gravity at 25°C		0.97 +/- 0.1
ASTM D6184	Bleed, 24 hours/150°C	%	< 5
ASTM D6184	Evaporation, 24 hours/150°C	%	< 2
ASTM D566	Dropping point	°C °F	> 260 > 500
ASTM D1748	Low-temperature torque at -40°C		
	Starting	N-m	0.630
	Running	N-m	0.134
Elastomer compatibility, 72 hours @ 150°C			
ASTM D471	Swell - NBR	%	5 maximum
ASTM D2240	Durometer - NBR	%	10 maximum

⁽¹⁾ASTM: American Society for Testing and Materials.

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