

MOLYKOTE® 33 Light (S) Grease

Soft silicone grease for use under a wide range of temperature conditions

Preliminary data

Features

- Superior oxidation resistance
- Wide service-temperature range (-73 to +180°C)
- Superior low-temperature characteristics
- Water-resistant
- No intentional polytetrafluoroethylene (PTFE) or other per- and polyfluoroalkyl substances (PFAS)
- Comply with the limits on cyclic siloxanes (D4, D5 and D6) in accordance with Regulation (EU) 2024/1328

Composition

- Silicone oil
- Lithium soap

Applications

Ideal for use in roller and conveyer equipment, control cables, electric motors, photographic equipment, optical equipment, measurement equipment, etc. It is also suitable in refrigerators and freezer equipment.

How to use

Clean points of application. As usual with lubricating greases, apply or fill by means of a brush, spatula or automatic lubrication device.

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.

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		Beige
Consistency, density, viscosity, dropping point			
DIN 51562	Kinematic base oil viscosity at 25°C	mm ² /s	100
ISO 2137	Worked penetration	mm/10	300 - 340
ISO 2811	Density at 25°C	g/cm ³	0.99
IP 396/02	Dropping point	°C	≥200
Temperature			
	Service temperature range	°C	-73 to +180
ASTM D1478-80	Low-temperature torque test at -73°C		
	Initial breakaway torque	Nm	59 x 10 ⁻³
	Torque after 20 min running time	Nm	21 x 10 ⁻³
Oil separation			
ASTM D6184	Bleed (150°C/24 h)	%	< 7
ASTM D6184	Evaporation (150°C/24 h)	%	<0.8
Oxidation resistance, water resistance, corrosion resistance			
DIN 51808	Oxidation resistance, (100 h, 99°C), pressure loss		≤100 mbar
DIN 51830-1	RapidOxy 100 oxidation stability, accelerated procedure (160°C)	minutes	1,300
DIN 51807 pt.1	Water resistance, static (90°C, 3 h)		1-90
DIN 51802	SKF-EMCOR method degree of corrosion		0

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

Usable life and storage

When stored between 0 and 40°C in the original unopened containers, MOLYKOTE® 33 Light (S) Grease has a usable life of 60 months from the date of production.

Packaging

This product is available in different standard container sizes as shown on **molykote.com**. Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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