

MOLYKOTE[®] A Solid-Lubricant Dispersion

Solid-lubricant dispersion in mineral oil; for metal/metal combinations involving medium to high loads and speeds

Features

- Increases load-carrying capacity
- Reduces friction and wear
- Reduces running noise
- Improves running-in
- Emergency running properties
- Prevents and reduces pitting in gears

Composition

- Mineral oil
- Molybdenum disulfide (MoS₂)
- Stabilizers

Applications

Suitable for oil-lubricated friction surfaces that require additional lubrication to reduce wear and extend service life. Successfully used as an additive to oil, on highly stressed plain and roller bearings, guides, spindles, gears and internal combustion engines.

How to use

Add to engine oils in proportion of 3% by volume, 5% to lubricating and gear oils, and 10% for particularly heavy stress. Can be used in all lubrication systems, such as drip oilers, central lubricating systems, etc.

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 at or below 20°C in the original unopened containers, this product 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		Black
Density, viscosity			
ISO 2811	Density at 20°C	g/ml	0.9
4 DIN 53 211	Viscosity	s	12.5
Temperature			
	Service temperature	°C	Depends on the oil to which the dispersion is added
Load-carrying capacity, wear protection, service life			
DIN 51 350 pt.4	Weld load	N	2,400
DIN 51 350 pt.5	Wear scar under 800 N load	mm	1.5
Particle size			
DIN 51 832	Particle size	µm	3.8

⁽¹⁾ISO: International Standardization Organization. DIN: Deutsche Industrie Norm.

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.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.
© 1997-2020 DuPont.

The information set forth herein is furnished free of charge and is based on technical data that DuPont believes to be reliable and falls within the normal range of properties. It is intended for use by persons having technical skill, at their own discretion and risk. This data should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.