

MOLYKOTE® L-5030 Semi-Dry Lubricant

Semidry film for reducing friction in many polymer/polymer, polymer/metal & metal/metal combinations in industrial & automotive applications; contains no intentional PTFE or other PFAS

Designed for a variety of industrial and automotive applications where reduction of friction is desired, MOLYKOTE® L-5030 Semi-Dry Lubricant consists of semidry lubricant, polymeric solid lubricant additive and high-purity synthetic solvent. Whether your focus is on environment, health and safety (EHS) concerns; productivity; application volume requirements; or coefficient of friction (COF) performance, look to MOLYKOTE® L-5030 Semi-Dry Lubricant to help you achieve your goals.

Features & benefits

- No intentional polytetrafluoroethylene (PTFE) or other per- or polyfluoroalkyl substances (PFAS)
- Fast drying time to aid in productivity
- Low-odor, high-purity solvent
- Low density (0.75 g/cm³) for application volume savings
- Low EHS profile for dried film

Potential applications

- Industrial and automotive applications where semidry film is needed
- Various polymer-to-polymer, polymer-to-metal and metal-to-metal applications
- Electronic device assembly components – such as hinges, springs, connector contacts, actuators, O-rings, etc. – where lower assembly force, improved fit, clean assembly and noise reduction are required, without the mess of a grease
- Electrical contacts – such as connectors, buttons, switches, etc. – where fretting corrosion prevention is needed



Dispersion methods

When dispersing MOLYKOTE® L-5030 Semi-Dry Lubricant, several methods are suitable options.



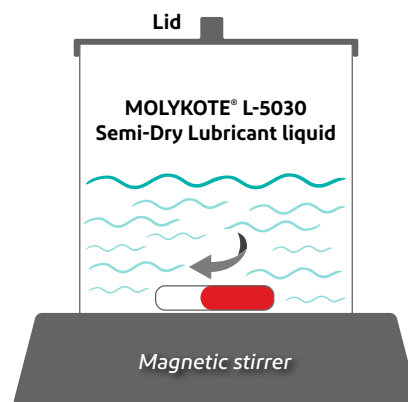
Rolling

- By hand, shake lubricant well
- Roll for ≥3 hours at 60 rpm



High-shear homogenization

- By hand, shake lubricant well
- Place in high-shear homogenizer for 20 minutes at 6500 rpm; a longer run time and higher speed will increase the temperature of the lubricant and accelerate solvent evaporation



Magnetic stirring

- By hand, shake lubricant well
- Conduct magnetic stirring at 200 rpm to effectively prevent the sedimentation of solid lubricants

Typical properties of MOLYKOTE® L-5030 Semi-Dry Lubricant

Method ⁽¹⁾	Property	Value
	Appearance	Translucent
	Specific gravity	0.75
	Drying time	10-15 min
	Flash point of solvent	30°C
CTM 208	Nonvolatile content	10%
	Coefficient of friction (COF)	
	POM to steel	0.05
	Polycarbonate to steel	0.075
	Steel to steel	0.075
	Plastic compatibility: POM, ABS, PC, Zytel®	No effect

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.

⁽¹⁾CTM: Corporate test method; copies of CTMs are available upon request.

About MOLYKOTE® Specialty Lubricants

Since 1948, customers around the world have trusted the MOLYKOTE® brand for performance and expertise to help solve complex, technical design and lubrication challenges. To learn more about our extensive product and service offering, to utilize our interactive product selection tool, or to locate a distributor, visit molykote.com.



We have Contact Centers around the globe. Find the phone number for the center nearest you at www.dupont.com/molykotecontact.



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