

## Product Information

### Specialty

# Lubricants *Molykote*<sup>®</sup> 557 Silicone Dry Film Lubricant Spray

#### FEATURES

- Colorless
- Non-staining
- NSF H2 approved
- Low VOC
- Remains as wax film after solvent evaporation

#### BENEFITS

- Reduces friction and wear
- Easy to apply

#### COMPOSITION

- Synthetic wax dispersed in solvents

Dry film lubricant provides exceptional release and lubricating properties

#### APPLICATIONS

*Molykote*<sup>®</sup> 557 Silicone Dry Film Lubricant Spray can be used:

- In steel production where it helps increase slitter-blade life.
- In aluminum production where it helps lengthen the life of tools and dies, improve surface finish, lubricate sliding surfaces and surfaces during extruding, deep drawing or spinning
- In machine shops where it helps improve surface finishes; extend the life of cutting tools, taps, dies, drills, slitters, and forming tools; reduce wear and reduce stick-slip or metal seizure on bearings, slides, cams adjusting screws, guides and ways
- For textile, paper and woodworking industries where it helps reduce wear and friction and helps reduce product staining from spinning frames, knives, scissors, punches, chain, conveyors or material-handling equipment
- For rubber and plastic industries where it helps reduce sticking, pickup or product contamination from handling equipment, knives, conveyors or sliding surfaces

#### TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test <sup>1</sup>	Property	Unit	Result
	Appearance		Clear wax film
	Melting Range	°C(°F)	32-46 (90-115)
	Press Fit <sup>2</sup>		No stick-slip
ASTM D2596	Four-ball Weld Load	N	1200
ASTM D2266	Four-ball Wear Scar	mm	0.85
	Coefficient of Friction <sup>2</sup>		0.07
	Drying time	min	~30

<sup>1</sup>ASTM: American Society for Testing and Materials.

<sup>2</sup>Tested on a Falex LFW-4 Press Fit tester, steel vs. steel, Rc60, 0.6-inch per minute, 12,000 psi in air, room temperature.

## **HANDLING PRECAUTIONS**

**PRODUCT SAFETY**  
INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEB SITE AT DOW CORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

## **USABLE LIFE AND STORAGE**

When stored at or below 25°C (77°F), *Molykote 557* Silicone Dry Film Lubricant Spray has a shelf life of 60 months from date of manufacture. Refer to product packaging for “Use By” date. When stored at or below 4°C (40°F), solid material may precipitate. When the material is warmed to room temperature, this material will readily re-dissolve without affecting lubrication properties.

## **PACKAGING INFORMATION**

**Application/Packaging**  
*Molykote 557* Silicone Dry Film Lubricant Spray is available in a variety of container sizes. Contact your local Dow Corning sales representative for information about container sizes available in your area.

Only a very thin film is needed for maximum results. The film is useful immediately after the solvent evaporates.

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our Web site, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

## **LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer’s tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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