

Product Information Specialty Lubricant

DOW CORNING

Molykote[®] D-709 Anti-Friction Coating

FEATURES & BENEFITS

- Silver color appearance
- Excellent corrosion protection
- Low coefficient of friction

COMPOSITION

- Solid lubricant
- Organic binder
- Solvent

Heat curing dry film lubricant

APPLICATIONS

- For plastics/metal and metal/metal combinations for low to medium loads
- Used on automotive parts for brake, door and locking mechanisms, safety belts, springs, pins, washers
- Parts requiring lubricity and metallic color

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*	Property	Unit	Result
	Color		Silver
	Viscosity at (IWATA Cup #2)	s	8
	Relative Density	g/cm ³	0.96
	Nonvolatile content	%	29.0
	Drying (time/temperature)	min/°C	5–10/80
	Curing (time/temperature)	min/°C	60/180
	Film, Service temperature range	°C	-60 to +240
JIS K5400	Pencil hardness		3H
JIS Z2371	Salt spray test		> 300
	Coefficient friction after 5,000 cycle Oscillating test 980 N, 50 osc/min, travel distance: 4 mm		0.1

*JIS: Japan industrial standard

DESCRIPTION

Molykote[®] D-709 Anti-Friction Coating is a dispersion of solid lubricants in an organic resin-solvent.

HOW TO USE

Stir well before use. Clean and degrease metal surfaces before Application. Molykote D-709 Anti-Friction Coating is formulated for application by either spray or dip coat process. Recommended film

thickness is 5–15 microns. To adjust coating viscosity, the material should be diluted with methyl ethyl ketone (MEK) solvent. When diluting with any solvent, refer to the solvent vendor's safety data sheet for information on physical and health hazards associated with the solvent and use of ventilation, PPE, bonding and grounding or other measures that can minimize or eliminate these risks.

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

USABLE LIFE AND STORAGE

Molykote D-709 has a shelf life of 360 days when kept in its original sealed container at temperatures above -18°C (0°F).

PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

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 website, 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.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

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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