

Specialty Lubricants

MOLYKOTE® 3400A Anti-Friction Coating, Leadfree

Heating curing dry lubricant for metal/metal combinations involving slow to medium-fast movements and medium to heavy loads

FEATURES

- Excellent lubrication
- Excellent corrosion protection
- Good solvent resistance
- High load carrying capacity
- Excellent adhesion to metal
- Low coefficient of friction
- High resistance to oil and fuels

APPLICATIONS

- Sliding contact of metal/metal combinations with slow to moderately fast movements and high loads.
- Used successfully in automotive applications such as:
 - Pins, springs and bearings surfaces in brakes; body hinges and linkages.
 - Moving parts in locks, switches, ventilation controls and servo mechanisms.
 - Under the hood linkages exposed to dust, moisture, fuels, oils and other contaminants.
 - Hinge pins, sleeve bearings and cams.
 - Servo mechanism and instrument bearing.
 - Threaded connections and fasteners

TYPICAL PROPERTIES

Specification writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales representative prior to writing specifications on this product.

Standard	Test	Unit	Value
	Color		Gray
	Density		
ISO 2811	Density at 20°C (68°F)	g/ml	1.2
	Temperature		
	Temperature resistance after:		
	3hrs at 260°C (500°F)		No adhesion loss
	24hrs at 43°C (110°F)		No adhesion loss
	Load-carrying capacity		
ASTM-D2714	LFW-1, rotating, load 2860N, n=72 rpm, v=7.9 m/min., no. of revolutions to $\mu=0.1^1$		p=48000*
ASTM-D2714	LFW-1, oscillating, load 900N, frequency=89.5 os./min., no. of oscillations to $\mu=0.08^1$		p=50000*
ASTM-D2625	Falex, procedure B, pressure resistance ¹	N	p=16000*
ASTM-D2625	Falex, procedure A, endurance life average ¹	min	p=500*
	Resistance		
ASTM-B117, DIN 50021	Corrosion resistance without red rust (spraying/dipping application)	hrs	p=>500*
ASTM-B117, DIN 50021	Corrosion resistance without red rust (dip-spinning application)	hrs	p=>240*
SAE AS 5272 Type II	Resistant to fluids ²		No adhesion loss

1. *Surface: p = phosphated

2. Surface pretreatment: d = degreased

HOW TO USE

How to apply

Carefully degrease friction surfaces with solvent and allow solvent to evaporate completely. Stir the Anti-Friction Coating thoroughly and apply by spraying, dipping, painting or centrifuging (Recommended thinner: MOLYKOTE® L13). The friction surfaces should be coated as evenly and thinly as possible. Average recommended coating thickness for typical applications is 10-15µm. Typical curing conditions are: 30 minutes at 200°C (392°F).

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and 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 website at www.dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

USABLE LIFE AND STORAGE

When stored at or below 20°C (68°F) in the original unopened containers this product has a usable life of 24 months from the date of production.

PACKAGING

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, www.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 Dow Corning's 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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