MOLYKOTE® D-708 Anti-Friction Coating

Features

- Cured film has an operating temperature range of -60 to 240°C (-76 to 464°F)

Benefits

- Low coefficient of friction
- Glossy black appearance
- Excellent corrosion protection

Composition

- Dispersion of solid lubricants in an organic resin-solvent system

Applications

Recommended for the lubrication/corrosion protection of metal/metal and metal/plastic pairings under low to medium loads. Applied coating is a solid film lubricant designed to provide lubrication properties and corrosion protection plus a high quality surface finish. Automotive applications for this material include safety belt components, transmission parts, door locks, etc.

How to use

Stir well before use. Clean and degrease metal surfaces before application. MOLYKOTE® D-708 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.

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.

Usable life and storage

MOLYKOTE® D-708 Anti-Friction Coating has a shelf life of 6 months when kept in its original sealed container at temperatures above -18°C (0°F).

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
As supplied			
ASTM D4212	Viscosity, Zahn #3 Cup	sec	7-10
ASTM D1475	Density at 25°C	g/ml	0.95
ASTM D56	Flash point	°C (°F)	0 (32)
	Cure time at 180°C (356°F)	minutes	60
	Cure time at 200°C (392°F)	minutes	20
	Coverage at 10 microns cured film thickness	ft^2/lb	60
As cured			
Internal test	Coefficient of friction (polymer-tester: 50 cycles, 250 g, 20 mm stroke)		0.11
	Temperature range	°C (°F)	-60 to 240 (-76 to 464)
ASTM D2625	Falex pressure resistance	N	1,220
ISO R 1456	Corrosion protection, salt spray test, 11-micron coating thickness applied over zinc phosphate	hours	>700

[1]ASTM: American Society for Testing and Machinery, ISO: International

Packaging

MOLYKOTE® D-708 Anti-Friction Coating is supplied in 18 liter (17.1 kg) pails.

Detailed container size information should be obtained from your nearest MOLYKOTE® sales office or MOLYKOTE® distributor.

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