

Information About *Molykote*[®] E Paste

Type

Synthetic hydrocarbon oil containing specially formulated solid lubricants

Physical Form

Light yellow paste

Special Properties

Excellent load-carrying capacity and wear resistance; compatible with many plastics such as ABS, polycarbonate, nylon, and polyacetal; long-life lubrication under oscillating movement; wide service-temperature range

Primary Uses

Lubrication of metal/metal, metal/plastic, and plastic/plastic substrates in electromechanical applications such as sliding surfaces, threaded connections, gears, and bearings

Useful Temperature Range

-50° to 150°C (-58° to 302°F)

DESCRIPTION

Molykote[®] E Paste is a synthetic hydrocarbon paste containing several kinds of special solid lubricants. *Molykote* E Paste is a heavy duty lubricating paste that has excellent load-carrying capacity and wear resistance. It also has excellent compatibility with plastics such as ABS, polycarbonate, nylon, and polyacetal, and good lubricity over a wide temperature range.

TYPICAL APPLICATIONS

Molykote E Paste is designed to provide excellent protection against scoring and seizure and to reduce wear and prolong the life of components in electromechanical applications such as automotive sun roofs.

HOW TO USE

Molykote E Paste can be applied using conventional grease application methods, including brush, burnishing, grease gun, or automated dispensing. It is important to clean the surface using a solvent prior to application.

SHIPPING LIMITATIONS

None.

STORAGE AND SHELF LIFE

Shelf life information is subject to change. Refer to the Sales Specification for current shelf life information.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Color	Light yellowish
Specific Gravity, g/cm ³	1.18
Penetration, worked 60 strokes	280
Bleed, after 24 hours at 100°C (212°F), percent	1.0
Evaporation, after 24 hours at 100°C (212°F), percent	0.2
Low Temperature Torque, gfcm,	
static torque, -40°C (-40°F)	2500
kinetic torque, -40°C (-40°F)	600
Four-Ball Wear Test,	
wear scar (1740 rpm, 1 hour, 40 kg load), mm	0.50
OK load (1500 rpm, 1 minute), kg	560
LFW-1 Oscillating Test,	
endurance life (90° angle, 600 lb, 75 cpm, Rc60), cycles	>20,000
coefficient of friction, after 6000 cycles	0.08
Copper Corrosion Test, after 24 hours at 100°C (212°F)	1a
Polystyrene Foam Test, after 24 hours at 60°C (140°F)	No change

Plastic Compatibility Test^{1,2}

ABS Resin	No crack, no color change
Polycarbonate	No crack, no color change
Nylon	No crack, no color change
Polyacetal	No crack, no color change

¹Bending stress test after 500 hours at 60°C (140°F).

²Different results may be observed depending on types of plastics.

Specification Writers: Please obtain a copy of the Dow Corning Sales Specification for this product and use it as a basis for your specifications. It may be obtained from any Dow Corning Sales Office, or from Dow Corning Customer Service in Midland, MI. Call (517) 496-6000.

PACKAGING

Molykote E Paste is available in 20-kg (44-lb) pails.

LIMITATIONS

Not intended for medical use.

SAFE HANDLING INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. 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 FROM YOUR DOW CORNING REPRESENTATIVE, OR DISTRIBUTOR, OR BY WRITING TO DOW CORNING CUSTOMER SERVICE, OR BY CALLING 1-517-496-6000.

LIMITED WARRANTY— PLEASE READ CAREFULLY

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