

Information About *Molykote*[®] 822M Grease

Type

Phenylmethyl silicone oil/lithium soap grease containing specially formulated additives

Physical Form

Medium-consistency grease

Special Properties

Wide service temperature range; good compatibility with rubber and plastic

Primary Uses

Lubrication of rubber/plastic and rubber/metal substrates in electromechanical applications such as automotive brake boosters

Useful Temperature Range

-40° to 200°C (-40° to 392°F)

DESCRIPTION

Molykote[®] 822M Grease is a phenyl-methyl silicone oil/lithium soap grease that contains a specially formulated additive package. It has good compatibility with HBR and EPDM rubber as well as a wide service temperature range of -40° to 200°C (-40° to 392°F).

TYPICAL APPLICATIONS

Molykote 822M Grease is designed primarily for plastic/metal and rubber/metal lubrication in electro-mechanical applications such as automotive brake boosters.

HOW TO USE

Molykote 822M Grease can be applied using conventional grease application methods including brush, grease gun, or automated dispensing equipment.

TYPICAL PROPERTIES

These values are not intended for use in preparing specifications.

Color	White/light-yellow
Penetration,	
worked 60, mm/10	265
NLGI #	1 to 2 (220 to 280)
Dropping Point, °C (°F)	212 (414)
Bleed, 24 hours at 100°C (212°F), percent	0.1
Bleed, 24 hours at 150°C (302°F), percent	0.2
Evaporation, 24 hours at 100°C (212°F), percent	0.1
Evaporation, 24 hours at 150°C (302°F), percent	0.5
Four-Ball Wear Test (1200 rpm, 10 kg, 1 hour), mm	0.8
Four-Ball Welding Load (1500 rpm, 1 minute), kg	150
Water Resistance, 1 hour at 38°C (101°F), percent	1.0
Copper Corrosion Test, 100 hours at 100°C (212°F)	1a
Low Temperature Torque, gfcM,	
starting torque, -30°C (-22°F)	1380
running torque, -30°C (-22°F)	860
starting torque, -40°C (-40°F)	3500
running torque, -40°C (-40°F)	2200

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.

SHIPPING LIMITATIONS

None.

STORAGE AND SHELF LIFE

Molykote 822M Grease has a shelf life of 60 months from date of manufacture.

PACKAGING

Molykote 822M Grease is available in 18-kg (40-lb) pails, and 180-kg (400-lb) drums.

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.

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