

# Information About *Molykote*<sup>®</sup> AS-810 Grease

**Type**

Silicone oil/lithium soap containing specially formulated solid lubricants

**Physical Form**

Light-consistency grease

**Special Properties**

Good oxidation resistance; good wear resistance; wide service temperature range

**Primary Uses**

Lubrication of metal/metal and metal/plastic substrates in electromechanical applications such as automotive starter over-run clutches

**Useful Temperature Range**

-40° to 180°C (-40° to 356°F)

**DESCRIPTION**

*Molykote*<sup>®</sup> AS-810 Grease is a silicone oil/lithium soap grease containing specially formulated anti-wear additives. It has good wear and oxidation resistance. It also has a wide service temperature range of -40° to 180°C (-40° to 356°F).

**TYPICAL APPLICATIONS**

*Molykote* AS-810 Grease is designed primarily for metal/metal and metal/plastic lubrication in electro-mechanical applications such as starter over-run clutches.

**HOW TO USE**

*Molykote* AS-810 Grease can be applied using conventional application methods, including brush, grease gun, or automatic dispensing.

**TYPICAL PROPERTIES**

**These values are not intended for use in preparing specifications.**

Color.....	Light pink
Penetration, worked 60, mm/10 .....	300
Bleed, 24 hours at 150°C (302°F), percent .....	3.7
Evaporation, 24 hours at 150°C (302°F), percent .....	1.8
Dropping Point, °C (°F) .....	230 (446)
Water Washout, 1 hour at 38°C (100°F), percent .....	0.8
Copper Corrosion, 24 hours at 100°C (212°F) .....	3a
Oxidation Stability, 100 hours at 99°C (210°F), kg/cm <sup>2</sup> .....	0.1
Four-Ball Wear Test (1,200 rpm, 40 kg, 1 hour), mm .....	1.6
Low Temperature Torque, gfc, starting torque, -40 C (-40°F) .....	2350
running torque, -40°C (-40°F) .....	550
Shear Stability Test, 100,000 worked .....	+10

**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* AS-810 Grease can be stored for 36 months from date of shipment at ambient temperatures in its original, closed container.

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

**PACKAGING**

*Molykote* AS-810 Grease is available in 18-kg (40-lb) pails.

**LIMITATIONS**

Not intended for medical use.

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**SAFE HANDLING INFORMATION**  
PRODUCT SAFETY INFORMATION  
REQUIRED FOR SAFE USE IS NOT  
INCLUDED. BEFORE HANDLING,  
READ PRODUCT AND MATERIAL  
SAFETY DATA SHEETS AND CON-  
TAINER LABELS FOR SAFE USE,  
PHYSICAL AND HEALTH HAZARD  
INFORMATION. THE MATERIAL  
SAFETY DATA SHEET IS AVAILABLE  
FROM YOUR DOW CORNING REP-  
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OR BY WRITING TO DOW CORNING  
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ING 1-517-496-6000.

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