

# Information About *Molykote*<sup>®</sup> SK-623 Grease

**Type**

Polyalphaolefin oil-based, soap-thickened lubricant

**Physical Form**

Grease

**Special Properties**

Tenacious adhesion; wide service temperature range; low friction coefficient; low noise performance

**Primary Uses**

Lubricant for plastic/steel, steel/steel, plastic/plastic applications

**DESCRIPTION**

*Molykote*<sup>®</sup> SK-623 Grease is a poly-alphaolefin oil-based, lithium soap-thickened grease that contains specially formulated solid lubricants. It provides tenacious adhesion, has good compatibility with plastics, and offers a wide service temperature range of -40° to 150° C (-40° F to 302° F). Further, it has a low friction coefficient and low noise performance.

**TYPICAL APPLICATIONS**

*Molykote* SK-623 Grease is designed for plastic/steel lubrication. It also may be well suited for steel/steel and plastic/plastic lubrication.

**LIMITATIONS**

Not intended for medical use.

**HOW TO USE**

*Molykote* SK-623 Grease can be applied conventionally by brush, grease gun, or automated equipment.

**SHIPPING LIMITATIONS**

None.

**STORAGE AND SHELF LIFE**

When stored in its original, unopened container at ambient temperature, *Molykote* SK-623 Grease has a shelf life of 36 months from date of shipment.

**PACKAGING**

*Molykote* SK-623 Grease is available in 35.2-lb (16-kg) pails.

**TYPICAL PROPERTIES**

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

**As Supplied**

CTM <sup>1</sup> 0063	Color .....	White
	Service Temperature, <sup>2</sup> °C (°F) .....	-40 to 150 (-40 to 302)
ASTM D 217	Penetration, worked 60, mm/10 .....	340
FTMS 791-321 (modified)	Bleed, 100° C (212° F), 24 hours, percent .....	6.0
ASTM D 972	Evaporation, 99° C (210° F), 22 hours, percent .....	1.0
ASTM D 566	Dropping Point, °C (°F) .....	205 (401)
ASTM D 4048	Copper Corrosion, 100° C (212° F), 24 hours .....	1a
ASTM D 2266 (modified)	Four-Ball Wear Test, 1200 rpm, 40 kg, 1 hour, mm .....	0.7
ASTM D 1478-63	Low-Temperature Torque, gf·cm,	
	starting torque, -30° C (-22° F) .....	2850
	running torque, -30° C (-22° F) .....	1140
	starting torque, -40° C (-40° F) .....	6900
	running torque, -40° C (-40° F) .....	2650

<sup>1</sup>CTMs (Corporate Test Methods) correspond to standard ASTM tests in most instances. Copies of CTMs are available upon request.

<sup>2</sup>Approximation based on test results and experience. Results will vary depending on your operating conditions.

**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.**

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