

# Product Information

## Specialty Lubricants

DOW CORNING

# Molykote<sup>®</sup> G-1502 FM Synthetic Bearing & Gear Grease

## FEATURES

- NSF H1 approved. Meets FDA regulation 21 CFR 178.3570 for incidental food contact applications
- NLGI# 2-3 white grease
- Fully synthetic base oil
- Excellent adhesion and resistance to water wash-out and spray off

## BENEFITS

- Wide service temperature range
- Formulated to provide higher oxidation resistance, corrosion protection, load carrying capability and longer service life than conventional lubricants
- Provides good compatibility with most industrial and engineering substrates including many plastic and rubber materials

## COMPOSITION

- Aluminum complex thickener
- ISO 220 100% Polyalphaolephin (PAO) base oil
- Fortified with carefully formulated synergistic combination of lubricating solids

## APPLICATIONS

- Suitable for applications where tacky grease is preferred or required such as chains, cams, open gears, valves and sprockets where water wash off is problematic or grease sling-off cannot be tolerated.

## TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

ASTM*	Property	Unit	Value
	Color		White
D 445	Base Oil Viscosity at 104°F (40°C)	cSt	220
D 445	Base Oil Viscosity at 212°F (100°C)	cSt	25.2
D 2270	Viscosity Index		145
D 217	Penetration, Unworked, 77°F (25°C)	mm/10	255
D 217	Penetration, Worked, 77°F (25°C), (W/60)	mm/10	250
D 556	Dropping Point, min	°F (°C),	500 (260)
D 2266	Four Ball Wear, 40kg, 1200 rpm, 167°F (75°C) max	mm	0.60
D 2596	Four Ball EP, Weld Load, min	KG	400
D 2509	Timken OK Load, min	lb (KG)	50 (110)
	Temperature Range, estimated,	°F	-40 to 300
		°C	-40 to 149
D 1743	Rust Test		PASS
D 4048	Copper Corrosion		1B

\*ASTM: American Society for Testing and Materials.

## HOW TO USE

Apply *Molykote*<sup>®</sup> G-1502 FM Synthetic Bearing & Gear Grease using conventional grease application methods, i.e., clean brush, and manual or automated dispensing equipment.

DOWCORNING.COM, OR FROM YOUR DOW CORNING SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

**HANDLING PRECAUTIONS**  
PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. 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 ON THE DOW CORNING WEB SITE AT

## USABLE LIFE AND STORAGE

When stored at 95°F to 32°F (35°C to 0°C) in the original unopened containers, this product has a usable life of 60 months from the date of production.

## PACKAGING INFORMATION

This product is available in standard industrial container sizes. For details,

please refer to your Dow Corning sales office.

### **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### **HEALTH AND ENVIRONMENTAL INFORMATION**

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our Web site, [dowcorning.com](http://dowcorning.com) or consult your local Dow Corning representative.

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