Preliminary product information

DOW CORNING

Specialty Lubricants

MOLYKOTE® G-5021 Silicone

High performance grease for plastic/plastic and plastic /metal combinations involving slow to medium fast speeds and low to medium loads

Features

- High oxidation resistance
- Wide service temperature range - 50°C à 170 °C
- High water resistance
- Good corrosion protection
- Compatible with many plastics and elastomers

COMPOSITION

- Silicone oil
- Lithium soap

APPLICATIONS

• Usable on control cables especially at low and high temperature, sliding-element bearings and mechanisms in climate control boxes

Typical Properties

Specifications writers : These values are not intended for use in preparing specifications. . Please contact your local Dow Corning sales representative prior in writing specifications on this product.

Standard	Test	Unit	Result
	Color		white
	Consistency, density, viscosity		
DIN 51 818	NLGI consistency class		1-2
ISO 2137	Unworked penetration	mm/10	280-310
ISO 2137	Unworked penetration	mm/10	295
DIN 51 562	Base oil viscosity at 25°C	mm²/s	200
ISO 2811	Density	g/ml	0.97
	Temperature		
	Service temperature range	°C	-50 to +170
ASTM D566	Dropping point	°C	240
DIN 51805	Kesternich method flow pressure at –20°C	mbar	180
	Load carrying capacity, wear protection, service life		
	Four ball machine		
DIN 51 350 T.4	Weld load	N	1400
	Resistance		
DIN 51808	Oxidation resistance pressure drop, 100 h, 99°C	bar	0.05
FTMS 791-32/2	Bleed 24h/ 150°C	%	0.79
FTMS 791-32/2	Evaporation 24h/150°C	%	1.85

* FTMS : Federal Test Method Standard.
ASTM: American Society for Testing and Materials.
DIN: Deutsche Industrie Norm

HOW TO USE

How to apply

Clean points of contact. As is usual with lubricating greases, apply by means of a brush, spatula, or automatic lubrication device. Can be used in central lubrication systems.

HANDLING PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE FROM YOUR LOCAL DOW CORNING SALES REPRESENTATIVE.

USABLE LIFE AND STORAGE

When stored at or below 20°C in the original unopened containers, this product has a usable life of 60 months from the date of production.

PACKAGING

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

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 Health, Environment and Regulatory Affairs specialists available in each area. For further information, please consult your local Dow Corning representative.

WARRANTY INFORMATION - PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that Dow Corning's products are safe, effective, and fully satisfactory for the intended end use. Dow Corning's sole warranty is that the product will meet the Dow Corning sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. Dow Corning specifically disclaims any other express or implied warranty of fitness for a particular purpose or merchantability. Unless Dow Corning provides you with a specific, duly signed endorsement of fitness for use, Dow Corning disclaims liability for any incidental or consequential damages. Suggestions of use shall not be taken as inducements to infringe any patent. NOT BE TAKEN AS INDUCEMENTS TO INFRINGE ANY PATENT.