Product Information
Specialty
Lubricants

DOW CORNING

Dow Corning® High-Vacuum Grease

FEATURES & BENEFITS

- Reduces wear in plastic-to-metal and rubber-to-metal contact
- Low volatility
- Excellent resistance to water, chemicals, high and low temperatures
- Meets requirements of FDA 21 CFR 175.300

COMPOSITION

- Silicone oil
- Inorganic thickener

Stiff, non-melting silicone lubricating material

APPLICATIONS

- Seals and lubricates chemical processing equipment.
- Lubricating plug valves, control valves, flow meter bearings, ceramic plug cocks, fire extinguisher valves, water treating equipment, synthetic rubber gaskets and seals in high temperature applications.
- Sealing vacuum and pressure systems.
- Lubricating O-rings in binoculars and telescopes. Prevents fogging of delicate lenses.

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.

Test*	Property	Unit	Result
	Color		White to gray, translucent
	Physical nature		Stiff compound
ISO 2137	Penetration, unworked	mm/10	170 to 230
ISO 2137	Penetration, worked 60, maximum	mm/10	<260
CTM 0033A A	Bleed, 24 hours; 200°C	%	<0.5
CTM 0033A B	Evaporation, 24 hours; 200°C	%	<2.0
	Melting point	°C	None

*ISO: International Organization for Standardization.
CTM: Corporate Test Method, copies of CTMs are available on request.

PERFORMANCE DATA

Solubility

Dow Corning® High-Vacuum Grease is insoluble in water, methanol, ethanol, acetone, glycol and glycerine. It can be dispersed in kerosene, stoddard solvent, benzene, toluene, ethyl ether or petroleum ether.

Chemical resistance

Dow Corning High-Vacuum Grease is unaffected by most vegetable and minerals oils, many organic compounds, and most common gases. It is also resistant to most aqueous solutions of inorganic salts and to dilute acids and alkalies. The suitability of *Dow Corning* High-Vacuum Grease should always be tested before the material is adopted for regular use.

HANDLING PRECAUTIONS

In case of eye contact, flush eyes with water.

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

USABLE LIFE AND STORAGE

When stored at or below 30°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 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 Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our website, dowcorning.com or consult your local Dow Corning representative.

LIMITED 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 our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the 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.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DOW CORNING SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.

DOW CORNING DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

We help you invent the future.™

dowcorning.com

Dow Corning is a registered trademark of Dow Corning Corporation.
We help you invent the future is a trademark of Dow Corning Corporation.
XIAMETER is a registered trademark of Dow Corning Corporation.
© 1997 - 2015 Dow Corning Corporation. All rights reserved.

2015, March 11
Form. No. 22-0911G-01