



Thickeners for **Non-Soap Based Grease**

Our extensive selection of thickener based chemistry.

Univar Solutions' wide selection of silicone oils offer key performance a grease formulator needs.



DOW SILICONE BASE FLUIDS - GREASES

PRODUCTS	VISCOSITY	CHEMISTRY	PROPERTIES	APPLICATIONS
XIAMETER™ PMX 200-Series	0.65 - 1,000,000 cSt	Dimethyl Silicone (PDMS)	Hydrolytic Stability Water Repellency Slip	Base Fluid for Grease Plastic Bearing Grease Damping Greases
XIAMETER™ OFX-0204 XIAMETER™ OFX-0230 XIAMETER™ OFX-0203	780 cSt ~1400 cSt 12,000 cSt	Alkyl-Aryl Silicone	Thick films under dynamic conditions Organic material compatibility Improved thermal stability	Base Fluid for Grease
DOWSIL™ 510 DOWSIL™ 550 DOWSIL™ 556 DOWSIL™ 710	4 Grades: 50, 100, 500, and 1,000 cSt ~125 cSt 22.5 cSt ~500 cSt	Phenyl-Methyl Silicone	Improved Thermal Stability Good Low Temperature Performance Radiation Resistance Impart Slip to Rubber and Plastic	Base Fluid for Grease Fill-for-Life Grease Maintenance Grease Aerospace Grease Low-Temperature Grease
DOWSIL™ FS 1265-Series	3 Grades: 300, 1,000, and 10,000 cSt	Fluoro Silicone	Chemical/Solvent Resistance Extended Bearing Life Excellent High-Temp Performance High Load Carrying Capabilities	Base Fluid for Grease High-Temperature Grease Chemical Processing Grease Vacuum Pump Grease

One of the largest chemical and ingredient distribution networks in the world



Over 1,300 suppliers



Nearly 10,600 employees in 31 countries



More than 700 distribution facilities



Delivering to more than 130 countries



More than 3,500 tractors, trailers, and tankers



Global network of 24 formulation labs, development kitchens, and research centers

Figures do not include Nexeo Plastics

CAB-O-SIL™ treated fumed silicas offer tailored thickening and stability attributes.

OIL SEPERATION, DROPPING POINT AND WEAR OF CAB-O-SIL™ FUMED SILICAS

CAB-O-SIL™ FUMED SILICA	OIL SEPERATION, 24H AT 100C (MASS %) ASTM D6184	DROPPING POINT (C) ASTM D2265	FOUR BALL WEAR SCAR (MM) ASTM D2266
M-5	2.76	>260	0.75
TS-720	1.12	>260	0.9
TS-622	4.71	>260	0.9
TS-382	1.71	>260	0.89
Reference Oil	N/A	N/A	0.79



Other thickeners to consider while formulating:

- Polyurea
MDI, TDI Isocyanates (DOW ISONATE™ 125M and VORANATE™ T-80)
- Organophilic Clay
Bentonite (Volclay)

Let's talk at Lubricants@univarsolutions.com



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