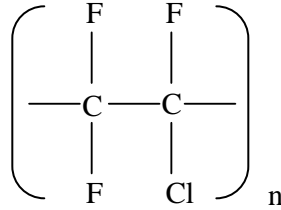


FLUOROLUBE® GREASES

CAS Registry Number 9002-83-9
 [Chlorotrifluoroethylene Polymer]



Description:

Fluorolube lubricants are a family of stable oils and greases available in a range of viscosities. They are commonly used as lubricants and functional fluids in applications requiring stability and performance in strongly acidic and/or oxidizing environments.

Specifications:

Grade Penetration (ASTM D-217-82)
 (0.1 mm @ 77 °F)

GR-290	229-249
GR-362	253-273
GR-470	173-193
GR-544	257-277
GR-660	198-218

Typical Properties:

Grade	Dropping Point (ASTM D-2265)	Suggested Application Temperature	
		Minimum	Maximum
GR-290	540 °F / 280 °C	0 °F / -20 °C	300 °F / 150 °C
GR-362	10 °F / 265 °C	-40 °F / -40 °C	150 °F / 65 °C
GR-470	525 °F / 275 °C	0 °F / -20 °C	300 °F / 150 °C
GR-544	530 °F / 275 °C	30 °F / 0 °C	300 °F / 150 °C
GR-660	575 °F / 300 °C	100 °F / 40 °C	300 °F / 150 °C

(Continued on reverse side)

Gabriel Performance Products

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Important: The information presented herein, while not guaranteed, was prepared by technical personnel and is true and accurate to the best of our knowledge. No warranty or guarantee, express or implied, is made regarding performance, stability or otherwise. This information is not intended to be all-inclusive as the manner and conditions of use, handling, storage and other factors may involve other or additional safety or performance considerations. While our technical personnel will be happy to respond to questions regarding safe handling and use procedures, safe handling and use remains the responsibility of the customer. No suggestions for use are intended as, and nothing herein shall be construed as a recommendation to infringe any existing patents or to violate any Federal, State or local laws.

Thermal Stability:

Thermal stability of the Fluorolube Lubricants is between 300° and 600°F (150° - 315 °C) depending on the duration of heating and the materials of construction. Exposure to high temperatures will cause these products to depolymerize to lower molecular weight volatile compounds.

Thermal stability is affected by the presence of metals. High temperature uses of approximately 300 °F (150 °C) should be evaluated before field application.

Fluorolube Greases consist of about 80% combined fluorine and chlorine and are nonflammable.

Precautionary Information:

CAUTION: Do not use on aluminum or magnesium parts when heavy friction or galling are possible. Detonation can occur when Fluorolube Greases are allowed to contact these reactive metals free of their oxide coating in confined spaces and under heavy loads or high pressure.

Fluorolube Lubricants may react violently with sodium and potassium metals, amines, hydrazine, liquid fluorine and liquid chlorine trifluoride.

Due to their attack on the thickening agent, gaseous fluorine, hydrofluoric acid and caustic solutions are not recommended for use with Fluorolube Greases. (This does not apply to the Fluorolube Oils.)