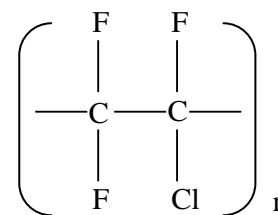


FLUOROLUBE® OILS

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					
	FS-5	MO-10	S-30	T-80	HO-125	LG-160
Viscosity, cp						
@ 100°F/38°C	5.5-17	31±10	200±50	—	—	—
@ 160°F/71°C	—	—	—	80±15	125±20	160±15
Density						
@ 100°F/38°C	1.865±.025	1.895±.015	1.925±.010	—	—	—
@ 160°F/71°C	—	—	—	1.895±.010	1.902±.005	1.908±.005
Acidity, pH*	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5	6.0-7.5
*pH of a water extract						

Typical Properties:

Pour Pt., °F	-75±15	-45±5	3±5	40±5	50±5	55±5
°C	-60±10	-43±3	-16±3	4±3	10±3	13±3
Density, gm/cc						
@ 100°F/38°C	1.868	1.895	1.927	1.945	1.953	1.955
@ 160°F/71°C	1.812	1.840	1.876	1.893	1.902	1.908
Pounds/Gallons						
@ 100°F/38°C	15.6	15.8	16.1	16.2	16.3	16.3
Dens. Corr. Factor per °F x 10 ⁻⁴	9.2	8.9	8.6	8.5	8.4	8.4
Viscosity, cs						
@ 100°F/38°C	6	16	100	500	750	1400
@ 160°F/71°C	2.5	5	15	41	60	85
Viscosity, cp						
@ 100°F/38°C	11	31	190	970	1460	2740
@ 160°F/71°C	4.5	9	30	77	115	160

(Continued on reverse side)

Gabriel Performance Products

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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 Oils 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 Oils are allowed to contact these reactive metals free of their oxide coating in confined spaces and under heavy loads or high pressure.

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