TRIBOLUBE®-67

Fluorinated Polyether Greases

CHARACTERISTICS

Tribolube-67 is a wide temperature range grease especially useful in vacuum and other systems where nonreactivity with chemicals, strong acids and oxidizers, fuels, and solvents is required. Although this lubricant is very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the greases under certain conditions.

APPLICATIONS

This grease is suitable in applications including small and large diameter ball, roller, needle, and plain bearings, electrical contacts, threads, valves, gears, contacts, splines, ball screws, and screw actuators. It is compatible with most elastomers and plastic seals, gaskets and O-rings.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUES
Temperature Range			-100º to +500ºF
NLGI Number			0
Unworked Penetration	ASTM D-1403	@ 77ºF	375
Worked Penetration	ASTM D-1403	60 Strokes	377
Oil Separation	FED-STD-791Method 321	22 hrs @ 400ºF	18.7%
Evaporation	ASTM D-2595	22 hrs @ 350ºF	0.01%
		22 hrs @ 400ºF	0.02%
Low Temperature Torque	ASTM D-1478	@-65ºF, Starting	855 gm-cm
		60 min running	330 gm-cm
		@-100ºF, starting	3,070 gm-cm
		60 min running	940 gm-cm
Copper Corrosion	FED-STD-791 Method 5309	24 hrs @ 212ºF	1b
Load Wear Index	ASTM D-2596		154.4
Last Non-seizure		Load/Wear Scar	40 kg/0.39 mm
Last seizure		Load/Wear Scar	800 kg/ 1.51 mm
Weld Point		Load	+1,000
Steel-on-Steel Wear	ASTM D-2266	1200 rpm, 40 kg, 1 hrs @ 167ºF, 52100 steel	0.7 mm
Water Washout	ASTM D-1264	1 hrs @ 105ºF	2.8%
LOX Impact Sensitivity	ASTM D-2512	20 impacts from 1,100 mm	No Reaction
Vapor Pressure	ASTM D-1559	@ 20ºC	1.4 X 10^{-8}

Extending Component Life with Tribolube Synthetic Lubricants®