

# LUBRICATION TECHNOLOGY INC.

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## CHRISTO-LUBE® MCG 111

CHRISTO-LUBE® MCG 111 is a wide temperature range, perfluoropolyether grease which was developed for use in systems where non-reactivity with harsh chemicals including strong acids and oxidizers, fuels, solvents, etc. is an important factor. The grease is suitable for use in applications including electrical contacts, valves, threads, screws, bearings and in systems employing elastomeric and plastic seals, gaskets and o-rings. Although CHRISTO-LUBE® MCG 111 is very inert, newly exposed rubbing surfaces of aluminum and magnesium may react with the grease under certain extreme conditions. CHRISTO-LUBE® MCG 111 meets the specification requirements and has been qualified under Military Specification MIL-PRF-27617F, Types I, II, and III.

PERFORMANCE TEST	TEST METHOD	CONDITION	TYPICAL VALUE
Temperature Range			-73°C to 232°C
NLGI No.			2
Worked Penetration	ASTM D-1403	60 strokes	265-295
Evaporation	ASTM D-2595	22 hrs, 204°C, max	1.70%
Oil Separation	FED-STD-791, Method 321	30 hrs, 204°C, max	12.75%
Four-Ball Wear Test	ASTM D-2266	1200 rpm, 40kg, 75°C, 52100 steel, 1 hour 2 hours	1.00 mm 1.50 mm
Low Temperature Torque	ASTM D-1478	@-54°C, Starting, max 60 min Running, max	576 g-cm 300 g-cm
Copper Corrosion	ASTM D-130	24 hrs, 100°C	1b
LOX Impact Sensitivity	ASTM D-2512	20 Impacts from 1100 mm	No Reaction
Oxidation Stability	ASTM D-492	121°C, 100 hrs	0 psi Drop

### FREE OF OZONE DEPLETION COMPOUNDS (ODC)

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