

Innovation and Experience at Work

CHRISTO-LUBE® MCG 109

CHRISTO-LUBE® MCG 109 is a fully fluorinated grease thickened with PTFE which operates under extreme temperature conditions, has outstanding stability with oxygen and excellent compatibility with metals, plastics and elastomers. This medium consistency fluorinated lubricant is especially useful in lubricating bearings, gears and actuators typically found in the semiconductor industry. CHRISTO-LUBE® MCG 109 is clean room compatible and performs exceptionally well under extreme vacuum environments.

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Туре			PFPE
Temperature Service Range (°C)			-65 to 250
Flash Point (°C) (ASTM D92)			None
GREASE CHARACTERISTICS			
Thickener			PTFE
Color			White
Appearance			Smooth
NLGI Grade			2
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		265-295
	Worked	60X	265-295
Oil Separation (ASTM D6184)	24h at 149°C		4.24%
Evaporation (CTM-1)	24h at 149°C		0.04%
Evaporation (CTM-1)	24h at 177°C		0.05%
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 79°C		0.26%
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _f		0.572mm
	Dynamic Coefficient of Friction (steel on steel)		0.079
Specific Gravity (CTM-2)	25°C		1.918

Engineered Custom Lubricants

ISO/TS16949:2009 • Registered QMS

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