

## CHRISTO-LUBE® MCG 159

CHRISTO-LUBE® MCG 159 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 NLGI Grade #2 fluorinated grease is especially useful in lubricating bearings, gears and actuators typically found in the semiconductor industry. CHRISTO-LUBE® MCG 159 is clean room compatible and performs exceptionally well under extreme vacuum conditions.

BASE OIL CHARACTERISTICS		TYPICAL VALUE *
<b>Type</b>		PFPE
<b>Color</b>		Colorless
<b>Temperature Service Range (°C)</b>		-20 to 260
<b>Flash Point (°C) (ASTM D-92)</b>		None
<b>Vapor Pressure (torr) (Knudson)</b>	20°C	1 x 10 <sup>-11</sup>
	100°C	1 x 10 <sup>-7</sup>
	200°C	1 x 10 <sup>-4</sup>
GREASE CHARACTERISTICS		
<b>Thickener</b>		PTFE
<b>Color</b>		White
<b>Appearance</b>		Smooth
<b>NLGI Grade</b>		2
<b>Penetration (ASTM D217 / DIN 51804-T1)</b>	Unworked	265-295
	Worked	60X 265-295
<b>Oil Separation (ASTM D6184)</b>	24h at 149°C	10% max.
<b>Evaporation (CTM-1)</b>	24h at 149°C	3% max.
<b>Water Washout (ASTM D1264 / DIN 51807-T2)</b>	60 min at 38°C	0%
<b>Specific Gravity (CTM-2)</b>	25°C	1.974
<b>Four Ball Wear (ASTM D2266 / DIN 51350-T5)</b>	Dynamic Coefficient of Friction (steel on steel)	0.120

\*The values stated in this Product Data Sheet are Typical Values and **must not** be used as QC Specifications for this product. Please contact the Global Technical Services department for QC specifications for this product.