

CHRISTO-LUBE® MCG 111

CHRISTO-LUBE® MCG 111 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 valve and regulator components where non-reactivity with harsh chemicals, fuels and solvents is an important factor. CHRISTO-LUBE® MCG 111 is qualified to MIL-PRF-27617G Types I, II & III and is also registered with NSF as an H-1 lubricant meaning it is acceptable for use in or around food processing equipment. It is designed for use in all food processing operations including mixing, stirring, baking, frying, cooking, freezing, cleansing, packaging, canning and bottling. Cage Code:0DRK3



This product is registered H1 by the NSF (135016)

BASE OIL CHARACTERISTICS			TYPICAL VALUE *
Type			PFPE
Temperature Service Range (°C)			-60 to 260
Flash Point (°C) (ASTM D92)			None
Vapor Pressure (torr) (Knudson)	20°C		5×10^{-6}
	100°C		5×10^{-5}
	200°C		3×10^{-4}
GREASE CHARACTERISTICS			
Thickener			PTFE
Color			White
Appearance			Smooth
NLGI Grade			1.5
Penetration (ASTM D217 / DIN 51804-T1)	Unworked		290-310
	Worked	60X	290-310
Oil Separation (ASTM D6184)	24h at 149°C		10% max.
Evaporation (CTM-1)	24h at 149°C		3% max.
Evaporation (CTM-1)	24h at 177°C		0.53%
Water Washout (ASTM D1264 / DIN 51807-T2)	60 min at 79°C		1.22%
Four Ball Wear (ASTM D2266 / DIN 51350-T5)	60 min 1200 RPM 75°C 40kg _r		1.36mm
	Dynamic Coefficient of Friction (steel on steel)		0.076
Specific Gravity (CTM-2)	25°C		1.905
Low Temperature Torque (ASTM D1478)	-40°C	Start	324 g-cm
		Run 60 min	147 g-cm

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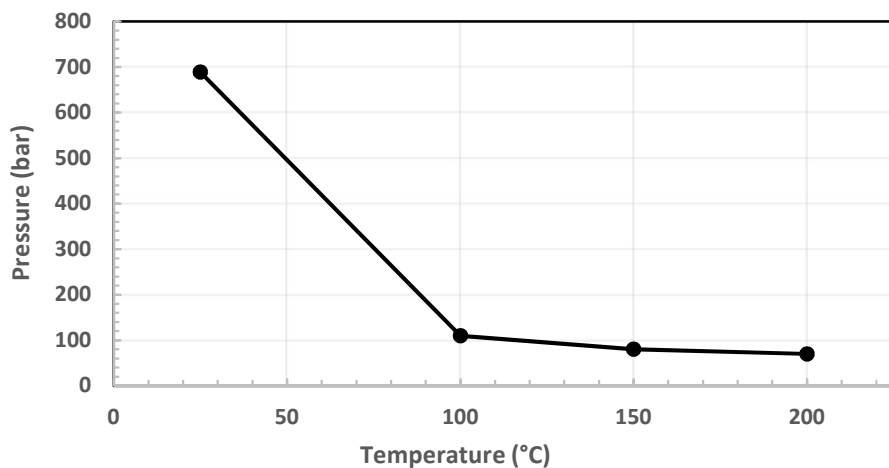
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Oxygen Impact Pressure (BAM)		bar	psi
	25°C	689	10,000
	60°C	400	5800
	100°C	110	1595
	100°C to 150°C	80	1160
	150°C to 200°C	70	1015
Compatibility With Gaseous Oxygen	Up to working pressure of	346	5000
Heat of Combustion	1049±39 cal/g		
Auto Ignition Temperature	470°C		



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Innovation and Experience at Work

Product Data Sheet

*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.

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