

## ExxonMobil Mobilgrease XTC

Category : Fluid , Lubricant , Lithium Gellant

### Material Notes:

Mobilgrease XTC is an extra high performance product designed for use in high speed coupling applications. It is manufactured with a selected high viscosity mineral base oil and an extremely effective, heavy-duty additive package. Mobilgrease XTC is formulated to provide low bleed as well as high temperature stability, properties critical to modern coupling lubrication and protection. While the base oil provides excellent elastohydrodynamic lubrication (EHL) film protection properties, the additive package enhances the extreme pressure (EP) / anti-wear protection, rust and corrosion performance and the high temperature stability of this leading edge product. Mobilgrease XTC also incorporates proprietary formulation stability to outperform best-in-class low bleed coupling greases with respect to high temperature stability in high shear conditions. Mobilgrease XTC is an NLGI No. 1 lithium soap-base product. ExxonMobil research scientists formulated Mobilgrease XTC to meet or exceed the requirements of modern high-speed gear and grid design couplings including the AGMA CG-2 and CG-1 specifications. This grease has shown excellent performance and protection in a wide variety of coupling applications covering a broad range of industries. Based on its outstanding performance, this grease has become the product of choice for many coupling users. Mobilgrease XTC fully meets the performance requirements of major coupling manufacturers. Application Considerations: Because Mobilgrease XTC is highly viscous and has adhesive agents to address coupling demands, use of hand-operated grease guns at low ambient temperatures without auxiliary heat is discouraged. Mobilgrease XTC fully meets existing and AGMA Type CG-2 requirements for high-speed flexible gear and grid couplings. Mobilgrease XTC also meets less demanding AGMA Type CG-1 requirements. Mobilgrease XTC maintains its excellent performance characteristics in ambient temperatures up to 120° C. It is not recommended for temperatures below - 30° C. Mobilgrease XTC is used widely in industrial applications requiring the use of: Grid-type flexible couplings; Gear-type flexible couplings

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-Mobilgrease-XTC.php](http://www.lookpolymers.com/polymer_ExxonMobil-Mobilgrease-XTC.php)

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	680 cSt	680 cSt	ASTM D445
Oxidative Stability	100 hour	100 hour	Pressure Drop of 35 kPa; ASTM D942

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	51	51	ASTM D2596
Four Ball Extreme Pressure, Weld Load	315 kg	695 lb (mass)	ASTM D2596
Four Ball Wear	0.350 mm	0.0138 in	ASTM D2266
Penetration	25	25	Penetration Change from 60X to 10000X, mm/10; ASTM D217
	325	325	Worked, 25°C; ASTM D217
Timken Test	27200 g	60.0 lb	

Thermal Properties	Metric	English	Comments
Dropping Point	215 °C	419 °F	ASTM D2265

Descriptive Properties	Value	Comments
Centrifugal Bleed, ASTM D4425, vol%	0	24 hrs @ 38°C
Color	dark brown	
Copper Strip Corrosion, ASTM D4048	1A	
Corrosion Prevention, ASTM D1743	pass	
Soap/Thickener Type	lithium/polymer	

## Contact Songhan Plastic Technology Co.,Ltd.

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