

## Chesterton 613 Moly Grease

Category : Fluid , Lubricant

### Material Notes:

**Description:** Chesterton® 613 Moly Grease is a high-performance, cost-effective lubricant that can withstand extreme temperatures and pressures for a wide range of high and low-speed applications. Fortified with molybdenum disulfide, it can handle the toughest of lubricating jobs and last significantly longer than conventional greases. Wear, galling or seizing of greased surfaces can occur even when using high-performance greases, especially when heavy pressures squeeze the grease out of lubricating film. During these extreme pressure conditions, the molybdenum disulfide particles in 613 Moly Grease are left behind on the surface in a thin, adherent, lubricating film. The unique, plate-like geometry of the particles ensures that parts glide smoothly over each other, preventing wear, galling and eventual seizing. Until further applications of the grease can be applied. The product has excellent resistance to water washout, a condition that plagues and shortens the life of many conventional greases and necessitates constant re-lubrication. Since 613 Moly Grease ensures continuous, longer-lasting lubrication and protection, fewer applications are required. Less applications means less maintenance costs and less production downtime. The product's superior mechanical stability assures that it will not break down or thin out and thus not leak out of the bearings under sustained heavy workloads. **Features:** Molybdenum disulfide for added boost under extreme conditions Excellent mechanical stability Corrosion inhibitors protect lubricated equipment Excellent resistance to water washout Special additives for longer life, continuous lubrication. **Benefits:** Reduce labor, maintenance costs Reduce number of reapplications; low product costs Save the cost of replacement parts Prolong the life of machinery and parts **Applications:** 613 Moly Grease lubricates all types of equipment in a wide range of applications that require a high-quality, long-lasting, cost-effective grease. It is especially effective on equipment subjected to extreme pressures during startup, shutdown or in operation. Use 613 Moly Grease for manufacturing and processing equipment Conveyors Mining equipment Plain and anti-friction bearings Small, exposed greases Cams, guides, ways, slides Press fittings and couplings Electric motors Fans, blowers Pumps, generators Presses, shears, hinges. Information provided by Chesterton

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chesterton-613-Moly-Grease.php](http://www.lookpolymers.com/polymer_Chesterton-613-Moly-Grease.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.900 g/cc	0.900 g/cc	
Particle Size	0.75 µm	0.75 µm	Molybdenum disulfide

Mechanical Properties	Metric	English	Comments
Four Ball Wear	0.350 mm @Temperature 54.0 °C, Time 3600 sec	0.0138 in @Temperature 129 °F, Time 1.00 hour	1800 rpm, 20 kg, scar diameter
Penetration	288 - 299	288 - 299	ASTM D217

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	138 °C	280 °F	
Minimum Service Temperature, Air	-18.0 °C	-0.400 °F	

Thermal Properties	Metric	English	Comments
<b>Descriptive Properties</b>	<b>Value</b>	<b>Comments</b>	
Oxidation Stability	0.35 kg/cm <sup>2</sup>	100 hrs, ASTM D942 pressure drop	
	1.19 kg/cm <sup>2</sup>	500 hrs, ASTM D942 pressure drop	

## Contact Songhan Plastic Technology Co.,Ltd.

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