

ExxonMobil 103 Mobilgrease XHP Series

Category : Fluid , Lubricant , Lithium Gellant

Material Notes:

Mobilgrease XHP Series products are extra high performance lithium complex greases intended for a wide variety of applications and severe operating conditions. These greases were designed to outperform conventional products by applying leading edge, proprietary, lithium complex manufacturing technology. They are based on high quality paraffinic mineral oils and are manufactured and formulated to provide excellent high temperature performance with superb adhesion, structural stability and resistance to water contamination. These greases have a high level of chemical stability and offer excellent protection against rust and corrosion. The greases feature high dropping points and maximum recommended operating temperature for the Series is 175°C. Mobilgrease XHP greases are used in a wide range of equipment including industrial, automotive, construction and marine applications: Mobilgrease XHP 222 is recommended for industrial and automotive antifriction bearings, chassis components, universal joints and disc brake wheel bearings. It finds particular application in passenger cars, light trucks, taxi fleets and farm equipment. It is also recommended for marine, paper mill, sugar mill and mining applications; Mobilgrease XHP 461 is recommended for construction and mining equipment, paper and steel mills and other heavy-duty applications; Mobilgrease XHP 222 Special is used in chassis components, clutch bearings, ball joints of suspension and steering systems in all kinds of passenger cars, trucks, farm tractors, contractor, construction, earth-moving, and mobile equipment. Contains molybdenum disulphide that provides protection from wear under shock loads and fretting conditions.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-103-Mobilgrease-XHP-Series.php

Physical Properties	Metric	English	Comments
Kinematic Viscosity at 40°C (104°F)	100 cSt	100 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, Weld Load	315 kg	695 lb (mass)	ASTM D2596
Four Ball Wear	0.500 mm	0.0197 in	ASTM D2266
Penetration	10	10	Penetration Consistency Change, Roll Stability, mm/10; ASTM D1831
	235	235	Worked, 25°C; ASTM D217
Timken Test	20400 g	45.0 lb	

Thermal Properties	Metric	English	Comments
Dropping Point	280 °C	536 °F	ASTM D2265

Descriptive Properties	Value	Comments
Color	dark blue	

Descriptive Properties	Value	Comments
Copper Strip Corrosion, ASTM D4048	1A	
Corrosion Prevention, ASTM D1743	pass	
Emcor/SKF Water Wash Test, IP 220	0	
Soap/Thickener Type	lithium complex	
Water Spray Resistance, ASTM D4049, % Spray-off	15	
Water Washout, ASTM D1264, wt%	5	@ 79°C

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