

ConocoPhillips EP Conolith® Grease NLGI NO. 1

Category : Fluid , Lubricant , Lithium Gellant , Organic Soap Gellant

Material Notes:

Description: Conoco EP Conolith Grease is a high-quality, multipurpose, extreme pressure lithium grease recommended for heavy-duty, heavily loaded antifriction and plain bearings. It is ideal for these bearings when they are subjected to high speeds, moderate temperatures, water and shock loads. It does not contain any tackifiers, which makes it ideal for centralized lubrication systems. EP Conolith Grease is available in several NLGI grades and has been widely accepted in the steel, aluminum and other industries as a general-purpose plant grease. EP Conolith Grease is widely used by the can manufacturing industry because it has, in addition to the required performance characteristics, a light, low-staining, natural color. EP Conolith Grease is manufactured with high-viscosity index paraffinic basestocks and lithium 12-Hydroxy stearate soap stock. It is compounded with an effective extreme-pressure additive and corrosion inhibitors which impart good load-carrying characteristics and good chemical stability. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-EP-Conolith-Grease-NLGI-NO-1.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	95	95	Viscosity Index
Saybolt Viscosity at 100°F	880 SUS	880 SUS	Base Oil Property
Saybolt Viscosity at 210°F	86 SUS	86 SUS	Base Oil Property
Kinematic Viscosity at 40°C (104°F)	190 cSt	190 cSt	Base Oil
Kinematic Viscosity at 100°C (212°F)	17 cSt	17 cSt	Base Oil

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Weld Load	250 kg	551 lb (mass)	
Four Ball Wear	0.390 mm	0.0154 in	
Penetration P(60), 1/10 mm	320	320	
Timken Test	24900 g	55.0 lb	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	124 °C	255 °F	
Minimum Service Temperature, Air	-17.8 °C	0.000 °F	
Pour Point	-12.2 °C	10.0 °F	
Dropping Point	179 °C	355 °F	

Descriptive Properties	Value	Comments
ASTM Rust A&B	Pass	
Color	Green/Brown	
Low Temperature Mobility	0.3 gm/sec	at 0°F
	0.7 gm/sec	at 10°F
	1.3 gm/sec	at 20°F
Oxidation Stability	5 psi drop/100 hrs.	
Shear Stability	+1% in Consistency	Roll Stability
Soap Type (Thickener)	Lithium	
Water Washout	6.9%	at 100°F
	8.6%	at 175°F

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