

ConocoPhillips Grade 1 Calcium M Grease NLGI

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

Material Notes:

Description: Conoco Calcium M Grease is a specialty product that incorporates high load-carrying and antiwear capabilities with excellent low temperature properties and high-temperature stability afforded by the use of 100 percent synthetic base oil. The product is fortified with molybdenum disulfide, thus enhancing its load-carrying capability. The product is smooth and gray in appearance and is available in NLGI No. 1 grade. Information provided by ConocoPhillips.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ConocoPhillips-Grade-1-Calcium-M-Grease-NLGI.php

Physical Properties	Metric	English	Comments
Viscosity Measurement	135	135	Viscosity Index (Base Oil Property)
Saybolt Viscosity at 100°F	980 SUS	980 SUS	Base Oil Property
Kinematic Viscosity at 40°C (104°F)	183.4 cSt	183.4 cSt	Base Oil
Kinematic Viscosity at 100°C (212°F)	22.3 cSt	22.3 cSt	Base Oil

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	70	70	kg; ASTM D2596
Four Ball Extreme Pressure, Weld Load	400 kg	882 lb (mass)	ASTM D2596
Four Ball Wear	0.420 mm	0.0165 in	Scar Diameter; ASTM D-2266
Penetration	328	328	77°F; 100,000 strokes; ASTM D-217
Penetration P(60), 1/10 mm	325	325	77°F; ASTM D-217
Timken Test	27200 g	60.0 lb	

Thermal Properties	Metric	English	Comments
Pour Point	-40.0 °C	-40.0 °F	(Base Oil Property)

Descriptive Properties	Value	Comments
Mobility, US Steel	40.7 grams/minute	0°F
	9.1 grams/minute	-20°F
Oil Separation	0.021	ASTM D1742
Oxidation Stability	1.5 psi drop/100 hrs.	ASTM D942

Descriptive Properties	Value	Comments
Thickener	Calcium Sulfonate Complex	
Water Washout	2.3 %	175°F, ASTM D-1264

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