

Chesterton 615 HTG #1 Grease

Category : Fluid , Lubricant

Material Notes:

Description: Chesterton® 615 HTG #1 is the versatile performer needed in all applications requiring a heavy duty NLGI #1 grease. The outstanding extreme pressure characteristic of this grease, coupled with its excellent water washout resistance makes it a truly superior choice for tough applications. The corrosion protection provided to surfaces lubricated with 615 is far greater than virtually all competitive greases. Unlike many NLGI #1 greases, 615 will not bleed or age harden. It can be pumped through grease dispensing systems with ease permitting labor savings through automation. It is important when choosing a lubricant to select the lightest lubricant that will effectively reduce friction and wear between moving parts. An NLGI #1 grease becomes especially important at higher bearing speeds and/or in equipment subject to very low temperatures. This is because at very high speeds, a heavier grease will generate more drag or friction on the moving part than is desirable. At very low temperatures, a #2 grease. Under both of these conditions Chesterton 615 HTG #1 provides distinct and valuable benefits over currently available products.

Features: Easily pumpable in automatic grease dispensing systems
Will not bleed or age harden
Exceptional shear and roll stability
Excellent protection against corrosion in high moisture environments
Superior choice for extremes of temperature and pressure
NSF H2 - Registration number 133941
ISO L-XCDIB1
DIN 51 502-KPF 2P-30

Applications: 615 HTG #1 should be used to lubricate parts and equipment in any industrial area subject to extreme pressure and severe conditions where a softer consistency grease is called for. It is especially effective when operating speeds are high or in cases where temperatures routinely fall below 0°C (32°F). Uses can be found in the following industries:

Metal working: On machine tools, mechanical presses, milling heads, reduction gears, exposed gears, cams, toggle joints, links and other components.

Pulp and Paper: On calendar bearings, high speed spindle gears, and most devices under load in humid or wet conditions where the grease's excellent water washout resistance and corrosion protection will protect lubricated parts

Steel: On continuous casters, couplings, oscillators, torch pin rolls, automatic torches, shears, blowers and other uses where the grease's high temperature performance will reduce relubrication frequency

Mining: On conveyers, grinding mills, crushers, hoists and bearings.

Information provided by Chesterton

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chesterton-615-HTG-1-Grease.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	70	70	ASTM D2596, DIN 51 350/4
Four Ball Extreme Pressure, Weld Load	620 kg	1370 lb (mass)	ASTM D2596, DIN 51 350/4
Four Ball Wear	0.400 mm	0.0157 in	Scar Diameter; ASTM D2266, DIN 51 350/5
Penetration	310 - 340	310 - 340	ASTM D217, DIN ISO 2137
Oil Separation	0.20 %	0.20 %	loss; ASTM D1742
Timken Test	27200 g	60.0 lb	OK Load; ASTM D2509

Mechanical Properties	Metric	English	Comments
Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	399 °F	
Minimum Service Temperature, Air	-45.0 °C	-49.0 °F	
Dropping Point	300 °C	572 °F	ASTM D2265, DIN 51 801/1

Descriptive Properties	Value	Comments
Bearing Life	120 hours	ASTM D3527
Color	Blue-Green	
Consistency	1	NLGI, DIN 51 818
Corrosion Resistance	>1000 hrs	@ 50 microns film thickness, 5% NaCl, ASTM B117
Shear Stability	+1.4%	10000 strokes, ASTM D217
	+2.8%	100000 strokes, ASTM D217
Texture	Buttery with slight tack	
Water Washout Resistance	<1.0%	@ 79°C (175°F), ASTM D1264

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