

Chesterton 635 SXC Synthetic, Extreme Pressure & Corrosion Resistant Grease

Category : Fluid , Lubricant

Material Notes:

Description: Chesterton® Synthetic Extreme Pressure & Corrosion Resistant Grease is the one grease to use for the most demanding lubricating needs. It is a multi-purpose workhorse with outstanding extreme pressure and anti-wear capabilities, shear stability, temperature and corrosion resistance. Superior resistance to washout by water, caustics, and acids, sanitizing cleaners, process fluids and steam has now been combined with high temperature performance to produce Chesterton 635 Synthetic Extreme Pressure & Corrosion Resistant Grease. As a premium quality, water resistant grease, 635 will not be removed even in severe water washout situations. Chesterton 635 can be used in steam and direct water contact services. Up to 50% water contamination will not diminish properties of Chesterton 635. With a dropping point of 318°C (604°F), it will not melt and run out even at high speeds or under heavy loads. 635 SXC has great ability to extend bearing life, reduce equipment repairs and improve operational efficiency of grease lubricated equipment. Uses for 635 SXC can be found throughout any industrial plant or process. It is especially advantageous where there is exposure to high humidity, corrosive vapors and shock loading or vibration as found in pulp and paper mills, mining operations, power generating plants, steel mills and metal forming operations. Applications include the lubrication of pinch roll and press roll bearings, oven conveyors bearings, cranes and mechanical presses. Features: Virtually impervious to water and steam Synthetic Base Fluid Compatible with most elastomers and seals. Smooth, Buttery Texture Adheres to Metal Water and Corrosion Resistant Wide application temperature range Speed Rating, DN to 500,000. Suggested Uses: Use in all applications where conventional greases break down under shear, thermal abuse, shock loading and water contamination. Chesterton 635 SXC can be used wherever thermally stable grease is required. Applications: Lubrication of slides, guides, plain bearings and bushings Anti-friction bearings, roller bearings, and ball bearings Grease-lubricated chains Gears, cams, ball screw actuators Motor Operated Valves, Limit Switch and stem Nut Couplings, joints and splined shafts Machine tool spindles Lubricating Additives: Non Heavy Metal, Extreme Pressure and Anti-Wear, Anti-Fretting Additives, Surface Reactive Anti-Rust and Corrosion Additives, Oxidation Inhibitors Information provided by Chesterton

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chesterton-635-SXC-Synthetic-Extreme-Pressure-Corrosion-Resistant-Grease.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 - 1.05 g/cc	0.950 - 1.05 g/cc	
Viscosity Measurement	146	146	Base Oil; ASTM D445
Kinematic Viscosity at 40°C (104°F)	98 cSt	98 cSt	Base Oil; ASTM D445
Kinematic Viscosity at 100°C (212°F)	14 cSt	14 cSt	Base Oil; ASTM D445

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	130	130	ASTM D2596, DIN 51 350/4
Four Ball Extreme Pressure, Weld Load	800 kg	1760 lb (mass)	ASTM D2596, DIN 51 350/4
Four Ball Wear	0.400 mm	0.0157 in	1200 rpm, 40 kg, scar diameter; ASTM

Mechanical Properties	@Temperature 75.0 °C, Metric Time 3600 sec	@Temperature 167 °F, English Time 1.00 hour	D2266, DIN 51 350/5 Comments
Penetration	265 - 295	265 - 295	ASTM D217, DIN ISO 2137
Timken Test	29500 g	65.0 lb	ASTM D2509

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	240 °C	464 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Dropping Point	318 °C	604 °F	ASTM D2265, DIN 51 801/1

Descriptive Properties	Value	Comments
Bearing Life	240 hrs	ASTM D3527
Bomb Oxidation	6 psi drop	1000 hrs, ASTM D942
Color	Light Blue/Green	
Consistency	2	NLGI, DIN 51 818
Copper Corrosion	0/1B	ASTM D4048, DIN 51 811
Corrosion Resistance	>1000 hrs	@ 50 microns film thickness, 5% NaCl, ASTM B117
Oil Base	PAO Synthetic	
Texture	Smooth, Buttery	
Thickener	Proprietary, Patent Protected, Sulfonate Complex	
Water Washout Resistance	<0.05%	@79°C, ASTM D1264
Worked Stability	-0.01	10000 Strokes, ASTM D217
	-0.045	10000 Strokes, ASTM D217

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