

Chesterton 610 HT Synthetic Lubricating Fluid

Category : Fluid , Lubricant

Material Notes:

Description: Chesterton® 610 HT Synthetic Lubrication Fluid is a premium quality full synthetic lubricant designed to provide lubrication at temperatures ranging from -25°C (-15°F) for those over 270°C (520°F) where petroleum lubricants are unable to function. Unlike petroleum based lubricants, the product will not carbonize, oxidize to a sludge or form lacquers and varnishes at high temperatures. In fact, 610 HT Synthetic Lubricating Fluid has excellent solvency and will actually remove any of these byproducts caused by other petroleum base lubricants and allow equipment to run cooler and more efficiently. When operating at temperatures beyond its capability, the product will simply evaporate cleanly. Chesterton 610 HT Synthetic Lubricating Fluid is excellent for lubrication of equipment operating at elevated temperatures such as oven chains, motors, anti-friction bearings, pain curing and drying ovens, low loading gear boxes, ceramic oven door hinges and for low temperature applications to -25°C (-15°F) in refrigerated or winter conditions. **Features:**Wide temperature rangeSelf cleaning100% syntheticNo residueNon-carbonizingNon oxidizingNSF H2 -Registration number 133971 (bulk) and 133972 (aerosol)Low evaporation rateHigh flash pointBiodegradable**Applications:** Equipment operating in elevated temperatures, refrigerated areas, and in severe environments. Excellent for increasing the efficiency of anti-friction bearings, impregnated bearings, textiles tenter frames, low loading gear boxes, oven hinges and chain conveyors. Lubricates at sub-zero temperatures where greases congeal.**Information provided by Chesterton**

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chesterton-610-HT-Synthetic-Lubricating-Fluid.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	
Viscosity Measurement	>= 250	>= 250	ASTM D2270, ISO 2909
Kinematic Viscosity at 40°C (104°F)	414 - 506 cSt	414 - 506 cSt	ASTM D445, DIN 51 561
Kinematic Viscosity at 100°C (212°F)	45 - 65 cSt	45 - 65 cSt	ASTM D445, DIN 51 561
Evaporation Loss	1.2 % @Temperature 204 °C, Time 23400 sec	1.2 % @Temperature 399 °F, Time 6.50 hour	ASTM D972

Mechanical Properties	Metric	English	Comments
Four Ball Wear	0.190 mm @Temperature 75.0 °C, Time 3600 sec	0.00748 in @Temperature 167 °F, Time 1.00 hour	1200 rpm, 10 kg, scar diameter; ASTM D2266, DIN 51 350
	0.320 mm @Temperature 75.0 °C, Time 3600 sec	0.0126 in @Temperature 167 °F, Time 1.00 hour	1200 rpm, 40 kg, scar diameter; ASTM D2266, DIN 51 350

Thermal Properties	Metric	English	Comments
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Thermal Properties <small>Temperature, Air</small>	Metric	English	Comments
Minimum Service Temperature, Air	-25.0 °C	-13.0 °F	
Pour Point	-40.0 °C	-40.0 °F	ASTM D97, ISO 3016
Flash Point	282 °C	540 °F	COC; ASTM D92, ISO 2592

Descriptive Properties	Value	Comments
Appearance	Amber Liquid	
Fire point	338°C	ASTM D92, ISO 2592

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