Chesterton 787 Sliding Paste

Category : Fluid , Lubricant

Material Notes:

Description: Chesterton® 787 Sliding Paste is a premium quality pure synthetic lubricant that will function affectivity even at ultra high temperatures and pressures. Designed for the most severe operating conditions, it provides, through a novel chemical approach, lubrication at pressures up to 10687 kg/cm2 and 538°C. 787 Sliding Paste is a unique thixotropic hybrid lubricant. Consisting of a semi-soft paste-like material, this product will flow to fill in small tolerances, yet will keep metal parts separated by the microscopic, symmetric, plates which slide over each other and provide effective lubrication long after the clean synthetic base oil has burned off. Applications for Chesterton 787 Sliding Paste an be found anywhere a need exists for a clinging semi-solid lubricant that will resist water washout and can withstand high temperatures and pressures. Unlike a grease which can turn to liquid and fail under extremely high loads and temperatures, 787 will maintain a slippery film on surface and prevent wear, galling and seizure at temperatures unthinkable for a grease. Use in such high temperature applications as lubrication of welding equipment, steel production facilities, smelting factories, forging furnaces, metal casting foundries, around exhaust stacks in power stations, turbine exhaust areas, and any other area exposed to extreme conditions. Because of its excellent resistance to water washout, the product works extremely well in outdoor applications such as on railroad switching equipment and wire rope cables. FeaturesPure Non-Carbonizing, synthetic baseLubricates at pressures to 10687 kg/cm2Excellent Water Washout ResistanceNon-Fling, Clinging LubricantLow Coefficient of FrictionNSF H2 - Registration number 133956Non Toxic Heavy MetalsUltra-Fine ParticlesUnique 3 Phase Lubrication PackageInformation provided by Chesterton

Order this product through the following link:
http://www.lookpolymers.com/polymer_Chesterton-787-Sliding-Paste.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	
Particle Size	>= 7.0 µm	>= 7.0 µm	

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	90	90	ASTM D2596, DIN 51 350
	152000	152000	[psi]; ASTM D2596, DIN 51 350
Four Ball Extreme Pressure, Weld Load	400 kg	882 lb (mass)	ASTM D2596, DIN 51 350
Four Ball Wear	0.390 mm	0.0154 in	Non-Seizure Load, Scar; ASTM D2596, DIN 51 350
	0.0800 mm @Temperature 75.0 °C	0.00315 in @Temperature 167 °F	Coefficient of Friction; ASTM D 226, DIN 51 350
	0.100 mm @Temperature 260 °C	0.00394 in @Temperature 500 °F	Coefficient of Friction, Modified for High Heat; ASTM D 226, DIN 51 350
Penetration	270 - 290	270 - 290	ASTM D217, ISO 2137

Mechanical Properties	Metric	English	Comments
Thermal Properties	**Metric**	**English**	**Comments**
Maximum Service Temperature, Air	538 °C	1000 °F	

Descriptive Properties	Value	Comments
Appearance	Dark Gray	
Bolting Factor, K nut Factor	0.16	Akidmore-Wilhelm Method
Consistency	2	NLGI
	Paste-Like	
Corrosion Resistance	>500 hrs	ASTM B117
Water Washout Resistance	5.08	@ 79°C, ASTM D1264

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