

Chesterton 725 Nickel Anti-Seize Compound

Category : Fluid , Lubricant

Material Notes:

Description: Chesterton® 725 Nickel Anti-Seize Compound is an assembly lubricant combining the extreme pressure, corrosion resistant anti-seize abilities of colloidal nickel, aluminum and graphite in a oil suspension which will withstand temperatures up to 1425°C (2600°F). The product seals and protects metal parts under extreme conditions by providing an ultra-thin coating of nickel particles. The particles form an anti-friction barrier that will not burn, wash or scrape off. The barrier formed prevents pitting from the galvanic action between dissimilar metals that could occur if the metals were not separated. "Nickel plating" of parts means that opposing surfaces that could otherwise self-weld under extreme conditions are not frozen in place. Because nickel is a hard metal, it will withstand severe pressures without flattening or hardening. The microscopic asperities on metal parts do not come in contact as the ultra-fine nickel particles fill surface irregularities and keep them separated. Because Chesterton 725 Nickel Anti-Seize Compound has a balanced coefficient of friction, threads are not stretched and more accurate load values are possible during assembly. The product saves threads and parts for reuse by preventing galling damage and breakage during opening. 725 Nickel Anti-Seize Compound will not wash off in either fresh or salt water. It can be used indoors, outdoors and in marine applications. The product meets MIL-A-907D. Features: Ultra-Fine Particle Size Withstands Extreme Pressure Corrosion Resistant Meets MIL A-907DNSF H2 – Registration number 133959 Effective to 1425°C (2600°F) Applicable where use of copper is prohibited Water Resistant Applications: Ease mechanical assembly of bolts, studs, flanges, press fits, pump sleeves, valve stems, screws, bushings, gaskets, bearings, etc. up to 205°C(400°F). Eases disassembly by preventing seizure and inhibiting rust and corrosion up to 1425°C(2600°F). Saves threads and parts for reuse by preventing galling damage and breakage during opening. Use on steel and stainless steel, iron, aluminum, copper, brass, titanium, etc. in the automotive and chemical industries, in foundries, utilities and refineries. Should not be used on oxygen systems. Information provided by Chesterton

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chesterton-725-Nickel-Anti-Seize-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.28 g/cc	1.28 g/cc	
Particle Size	4.0 - 7.0 µm	4.0 - 7.0 µm	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction, Dynamic	0.12	0.12	ASTM D2266
Penetration	27 - 37	27 - 37	[mm], Cone; ASTM D217
K Factor (Wear Factor)	0.18	0.18	Static

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1425 °C	2597 °F	
Flash Point	95.0 °C	203 °F	Bulk
Dropping Point	>= 316 °C	>= 601 °F	ASTM D566

Thermal Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		Metallic gray	
Consistency		Soft Paste	
Water Washout Resistance		0.055	@ 79°C, ASTM D1264

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