

Chesterton 710 Anti-Seize Compound

Category : Fluid , Lubricant

Material Notes:

Description: Chesterton® 710 Anti-Seize Compound is an anti-seize compound and assembly lubricant combining the high temperature, extreme pressure, and corrosion resistant properties of colloidal copper, aluminum and graphite in an oil based suspension that will not burn, scrape or wash-off. The product seals and protects metal parts under extreme conditions by providing an ultra-thin coating of copper particles. The fine colloidal particles coat and separate metal parts, thus retarding pitting from galvanic action between dissimilar metals and the micro welding that could occur if asperities in the metal were not kept apart. Because 710 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 falling damage and breakage during opening. Chesterton 710 Anti-Seize Compound meets MIL-A-907D and is on the U.S. Navy qualified products list QPL-907. It is NSF registered for use in federally inspected meat and poultry plants.

Applications: Use on steel, stainless steel, iron, copper, brass, titanium, etc. Do not use on oxygen systems or in presence of acetylene. Listed below are several specific applications:
Automotive Industry-For metal gaskets, studs in cylinder heads, valve guides, u-bolts, etc
Diesel engine bolts, flanges, fittings
Foundry-For coating molds before pouring in metal to prevent sticking and breakage
Utilities-Underground and high pressure valves, fittings and shut-off valves
Machine Shops-Solder iron release, torque wrench accessory, cranes, conveyers, etc.
Plumbing-For high pressure, threaded or flanged joints
Pumps-On flanges, bolts and fittings for high temperature applications
Lift Trucks-Lubrication and corrosion protection for bearings, sprockets, chains and wear surfaces
Furnaces-On heat-treat furnaces and foundry operations to prevent seizure of fasteners on parts due to high temperatures. On stainless steel at higher temperatures and on aluminum, it is recommended to use Chesterton® 785 Nickel Anti-Seize Compound or Chesterton® 785 Parting Lubricant for the rubber molding industry, for salt water applications, and in aggressive acid or alkaline environments. Information provided by Chesterton

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chesterton-710-Anti-Seize-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	
Particle Size	4.0 - 7.0 µm	4.0 - 7.0 µm	

Mechanical Properties	Metric	English	Comments
Coefficient of Friction	0.080	0.080	ASTM D2266, DIN 51 350
	0.20	0.20	"K" Factor; ASTM D2266, DIN 51 350

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1100 °C	2010 °F	
Flash Point	85.0 °C	185 °F	
Dropping Point	>= 204 °C	>= 399 °F	ASTM D566, ISO 2176

Descriptive Properties	Value	Comments
Color	Copper	
Consistency	1	NLGI
	Soft Paste	
Extreme Pressure Capability	116564 psi	ASTM D2788, DIN 51 350

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