785

PARTING LUBRICANT

Description

Chesterton® 785 Parting Lubricant represents the newest generation of anti-seize compound.

A proprietary blend of ultra-fine inorganic solid lubricants in a non-carbonizing, ashless synthetic carrier, 785 Parting Lubricant can be used under extremely severe conditions of temperature and pressure to assist in assembly and disassembly of threaded components.

Chesterton 785 Parting Lubricant contains no toxic heavy metals. Plant personnel need not be concerned with health hazards associated with nickel or lead.

Because 785 Parting Lubricant utilizes a synthetic non-carbonizing base, the product can be used over a broad temperature range. Hardening will not occur when used between -34°C to 1204°C (-30°F to 2200°F).

Composition

Chesterton 785 Parting Lubricant was formulated using unique and proprietary solid lubricants. The geometry of these particles in 785 Parting Lubricant are such that they roll over each other and coat metal surfaces to prevent galling during assembly of threaded parts and mating surfaces.

Because the particles are ultra-fine, they spread evenly and fill surface profiles to prevent metal to metal contact and insure thorough coverage. Chesterton 785 Parting Lubricant protects assembled parts against corrosion and presents a barrier to the corrosive effects of moisture, steam, salt water, high temperatures and corrosive chemicals. Because it separates metal parts, it retards corrosion between dissimilar metals.

Typical Physical Properties

Appearance			Metallic gray
Form			Soft paste
Specific Gravity			1,2
Average Particle Size			<25 microns
Dropping Point	(ASTM D 566, ISO 2176)		>316°C (600°F)
Copper Corrosion	(ASTM D 130, DIN 51 811)		None, 24 Hrs. @ 100°C (212°F)
Extreme Pressure	(ASTM D 2596, DIN 51 350)		4730 kg/cm^2 (67,570 psi)
Weld Point	(ASTM D 2596, DIN 51 350)		400 kgf
Coefficient of Friction	"K" Factor		0.17
Coefficient of Friction	(ASTM D 2266) 40 kgf, 1200 rpm		0.10
Penetration	(ASTM D 217, ISO 2137)	Worked Unworked	33,4 mm 32,3 mm
Temperature Range		-34°C to 1204°C (-30°F to 2200°F)	

Chesterton 785 Parting Lubricant was engineered to have a balanced coefficient of friction. Because the surface friction is similar to "as received" nuts and bolts, it eliminates the necessity to recalculate torque tension values before assembly of threaded components. This insures the uniform tightening of bolts to the desired torque specification.

Suggested Uses

Bolts, screws, studs, pipe threads, press fits, pump sleeves and splines. Use in power plants, textile mills, bakeries, foundries, steel mills, boiler rooms, oil refineries, marine applications, chemical plants, automotive industry.

Features

- No Toxic Heavy Metals
- Synthetic Base
- For Extreme Pressure - up to 4730 kg/cm^2 (67,570 psi)
- Broad Service Temperature Range
- Balanced Coefficient of Friction
- Ultra-Fine Particles
- NSF H2 - Registration number 133960

Benefits

- Safer for workers
- Will not carbonize
- Usable under most extreme conditions
- No need for torque tension recalculation
- Fills in microscopic voids

Directions

Surfaces should be free from dirt, oil, grease and all other soils. Apply liberally to threads, flanges or other mating surfaces.

Safety

Before using product, review the Material Safety Data Sheet (MSDS) or the appropriate safety sheet for your area.

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