

## Chesterton 783 ACR Anti-Seize Compound

Category : Fluid , Lubricant

### Material Notes:

Description: Chesterton® 783 ACR represents the newest generation of anti-seize compound. A proprietary blend of ultra-fine inorganic solid lubricants, 783 ACR can be used under extremely severe conditions of temperature and pressure to assist in assembly and disassembly of threaded components. 783 ACR can be used over a broad temperature range. Hardening will not occur when used between -34°C to 900°C (-30°F to 1650°F). Features: No Toxic Heavy Metals For Extreme Pressure= up to 8928 kg/cm<sup>2</sup> (126,983 psi) Broad Service Temperature Range Ultra-Fine Particles Corrosion Resistant Waterproof Benefits: Safer to workers Usable under most extreme conditions Fills in microscopic voids Suggested Uses: Bolts, screws, studs, pipe threads, press fits, pump sleeves and splines. Use in power plants, textiles mills, bakeries, foundries, steel mills, boiler rooms, oil refineries, marine applications, chemical plants, automotive industry. Information provided by Chesterton

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chesterton-783-ACR-Anti-Seize-Compound.php](http://www.lookpolymers.com/polymer_Chesterton-783-ACR-Anti-Seize-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	
Particle Size	<= 11 µm	<= 11 µm	

Mechanical Properties	Metric	English	Comments
Four Ball Extreme Pressure, Load Wear Index	168.7	168.7	ASTM D2596, DIN 51 350
	127000	127000	[psi]; ASTM D2596, DIN 51 350
Four Ball Extreme Pressure, Weld Load	800 kg	1760 lb (mass)	ASTM D2596, DIN 51 350
Penetration	270	270	ASTM D217, ISO2137
K Factor (Wear Factor)	0.14	0.14	Skidmore - Wilhelm Method

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	900 °C	1650 °F	
Minimum Service Temperature, Air	-34.0 °C	-29.2 °F	
Dropping Point	>= 288 °C	>= 550 °F	ASTM D566, ISO2176

Descriptive Properties	Value	Comments
Color	Light gray	
Consistency	2	NLGI

Descriptive Properties	Soft Paste Value	Comments
Copper Corrosion	2A	24 hrs. @ 100°C (212°F), ASTM D4048, DIN 51 811
Corrosion Resistance	>1200 hrs.	@ 100 microns, 5% NaCl, ASTM B117
Water Washout Resistance	<0.13%	@ 79°C, ASTM D1264

## Contact Songhan Plastic Technology Co.,Ltd.

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