

INDUSTRIAL | GREASE

HiTEC® 7197G

Antiwear Agent for Greases



Provides Wear Protection and Antioxidant Performance



 **Afton**
CHEMICAL
Passion for Solutions®



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Application

HiTEC® 7197G antiwear agent is a thermally stable, mixed alcohol, all primary, zinc dialkyl dithiophosphate. It provides wear protection and antioxidant performance in lithium, lithium complex, and other types of grease thickeners.

Key Performance Benefits

- Proven wear protection
- Excellent antioxidancy
- High thermal stability

Recommended Dosage

HiTEC® 7197G is used at dosages of 0.3% wt. to 5.0% wt. depending upon the application and desired performance level. Please contact your Afton Chemical Representative for specific recommendations.

Typical Characteristics

Appearance	Clear yellow-green to brown oily liquid
Density, lbs/gal.	9.33
Specific Gravity @ 15.6/15.6°C	1.12
Viscosity @ 100°C, cSt	11.0
Flash Point, °C (PMCC)	110 min.

Handling Information

Max Handling Temp: (<24 hrs) 55°C
Shelf Life: 30 months @ ambient (10-35°C)

Performance

With special interest in grease applications, Afton has tested HiTEC® 7197G in a fully formulated lithium 12-OH grease.

<i>Lithium 12-OH Grease testing</i>		
<i>Test</i>	<i>Typical Treat Rate wt.%</i>	
	<i>0.35</i>	<i>1.20</i>
Penetration (D127) Worked 60, mm/10	276	268
4 Ball Weld Point (D2596), kgf	250	250
4 Ball Wear (D2266) {40 kg @ 1200 rpm for 1 hour @ 167F}, mm wear	0.61	0.49
Bomb Oxidation (D942), Pressure Drop, psi	1.5	0.5