INDUSTRIAL GREASE





Provides Wear Protection and Antioxidant Performance







HiTEC® 7197G Antiwear Agent for Greases

Provides Wear Protection and Antioxidant Performance

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, Ibs/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.

Lithium 12-0H Grease testing			
	Typical Treat Rate wt.%		
Test	0.35	1.20	
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	



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