

INDUSTRIAL | GREASE

HiTEC[®] 350G

Multifunctional Grease Additive



An Easy-to-handle Package That Simplifies Grease Production



 **Afton**
CHEMICAL
Passion for Solutions[®]



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Application

HiTEC® 350G grease additive is a blend of cost effective multifunctional additive componentry designed to be used in a wide variety of grease formulations. HiTEC® 350G combines EP/AW, yellow metal and steel corrosion inhibitors in an easy-to-handle package that can enhance performance in these critical areas while simplifying grease production and maintaining flexibility for the formulator. Good multipurpose greases can be formulated with HiTEC® 350G alone, while higher tier greases can be created by using additional individual componentry to add specialized performance.

Key Performance Benefits

- Multifunctionality allows inventory rationalization and simplifies handling, logistics and formulation
- Exceptional EP protection and durability
- Improved copper corrosion protection
- Excellent compatibility with commonly used seal materials
- Carefully formulated to maintain integrity of grease thickener system
- Sulfur-phosphorus chemistry

Recommended Dosage

Typical treat rates are 0.5% to 5.0% wt. Dosage will depend on application and performance required. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Clear amber liquid
Density, lbs/gal.	8.69
Specific Gravity @ 15.6/15.6°C	1.044
Viscosity @ 100°C, cSt	9
Flash Point, °C (PMCC)	83 min.

Handling Information

Max Handling Temp: 40°C
Shelf Life: up to 12 months @ 25°C

Grease Description			Lithium-12 Base Mineral Oil		
Additive Pack			HiTEC® 350G		
Treat Rate			1.0	2.0	4.0
Property	Test Method	Conditions			
Copper Corrosion (-)	ASTM D4048	24h @ 100°C	1b	1b	1b
Standard Bearing Rust Test (-)	ASTM D1743	distilled water	Pass	Pass	Pass
EMCOR Rust Test (-)	ASTM D6138	distilled water	0/0	0/0	0/0
Four Ball Wear Test scar diameter (mm)	ASTM D2266	1h/75°C/1200rpm/40kg	0.4	0.5	0.5
Four Ball Weld Load (kg)	ASTM D2596		250	315	400