

# COMPONENTS

## **HiTEC<sup>®</sup> 672**

**Styrene/Maleic Ester Pour Point Depressant**



Premium Pour Point Depressant for the most Demanding of Applications

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### Key Performance Benefits

HiTEC® 672 is a styrene/maleic ester pour point depressant. It has excellent performance in Passenger Car and Heavy Duty Engine Oil applications when combined with Viscosity Index Improvers in a range of base oils, including Brightstock.

HiTEC® 672 provides the following customer benefits:

- Field proven in Engine Oil applications
- Suitable for use in Gp II Base Oils, matching Industry trends
- Low viscosity for ease of handling
- Effective in Driveline Gear and Off Road formulations using a Viscosity Index Improver or Brightstock

### Recommended Dosage

The recommended treat rate for HiTEC® 672 for Engine Oils applications varies from 0.10% - 0.20% wt. and 0.5% - 2.0% wt. for Gear Oils. The exact dosage is determined by the base oils present. Please contact your Afton Chemical representative for specific recommendations.

### Typical Characteristics

Appearance: Amber to Dark Brown Liquid  
 Specific Gravity at 15.6/15.6°C: 0.890  
 Viscosity at 100°C, cSt: 110  
 Flash Point (PMCC), °C: 94 min.

### Handling Information

Max Handling Temp: 80°C  
 Shelf Life: 36 months at ambient temperature

### HiTEC® 672 Response in Base Oils

HiTEC® 672, % wt.	Pour Point, °C			Pour Point, °C			Pour Point, °C		
	APE Core 150	APE Core 600	APE Core BS	Chevron 100R	Chevron 220R	Chevron 600R	Nexbase 3030	Nexbase 3043	Nexbase 3060
0	-12	-6	-9	-18	-12	-12	-33	-18	-18
0.25	-27	-18	-12	-42	-36	-36	-54	-39	-39
0.5	-30	-21	-18	-45	-36	-36	-51	-42	-39
1	-33	-27	-21	-45	-36	-36	-54	-39	-39

### Pour Point Depressant Portfolio by Base Oil Compatibility

	Group I			Group II			Group III		
	APE CORE 150	APE CORE 600	APE CORE BS	Chevron 100R	Chevron 220R	Chevron 600R	Nexbase 3030	Nexbase 3043	Nexbase 3060
HiTEC® 672	●	●	●	●	●	●	●	●	●
Premium Pour Point Depressant for the Most Demanding of Applications									
HiTEC® 5789	●	●	●	●	●	●	●	●	●
Problem Solver for Challenging Base Oils									
HiTEC® 5714	●	●	●	●	●	●	●	●	●
All-round Performance with Added Thickening Efficiency									
HiTEC® 623	●	●	●	●	●	●	●	●	●
All-round Performance with Easy Handling									
HiTEC® 5788	●	●	●	●	●	●	●	●	●
Cost-effective Pour Point Depressant Solution									
HiTEC® 5724	●	●	●	●	●	●	●	●	●
Next Generation Group III Solution									

● Most Effective   ● Effective   ● Least Effective

### HiTEC® 672 Superior Cold Temperature Performance vs Competitor

15W40 MRV results after Low Temperature Pumpability Oxidation Tests

