

VISCOSITY MODIFIERS

HiTEC[®] 5704

Non-Dispersant Olefin Copolymer Viscosity Modifier



Formulation Simplicity for Engine Oil Applications

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Application

HiTEC[®] 5704 additive is a pour-depressed version of HiTEC[®] 5748 and is recommended for use in various engine oil applications when excellent shear stability and high-temperature, high-shear-rate viscosity is desired.

Key Performance Benefits

- Suitable for various engine oil applications
- Formulation simplicity due to PPD already present
- Excellent shear stability requirements
- Robust low temperature performance

Recommended Dosage

Dosages generally recommended to make the various multigrade viscosity crankcase oils are as follows:

SAE Grade	10W-30	10W-40	15W-40	15W-50	20W-40	20W-50
HiTEC [®] 5704 % wt.	6.0	10.0	8.0	11.0	4.0	7.0

Typical Characteristics

Appearance:	Hazy viscous liquid
Density at 15°C, g/ml:	0.860
Flash Point, °C (PMCC):	155 min.
Kinematic Viscosity at 100°C, mm ² /s:	1050
Thickening Power at 100°C, mm ² /s: ⁽¹⁾	6.55
Shear Stability Index: ⁽¹⁾	22

(1) 11.5% wt. HiTEC[®] 5704 additive in SN oil (5.2 mm²/s at 100°C)

Handling Information

Max Short Term Handling Temp: 120 °C

Shelf Life: 36 months at ambient temperature