

ENGINE OILS

HiTEC[®] 5835H

Olefin Copolymer Viscosity Modifier



OCP for Engine Oil Applications

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Application

HiTEC[®] 5835H is an amorphous olefin copolymer designed for use as a viscosity modifier for passenger car and heavy duty engine oils.

Key Performance Benefits

HiTEC[®] 5835H provides a broad range of customer benefits:

- Excellent balance between shear stability and thickening efficiency
- Excellent low temperature properties
- Applicable in a wide range of base oils
- Polymer form - easy to dissolve in base oils
- Covers key approvals, including dexos 1[™] when used with the appropriate performance package

Liquid viscosity modifier equivalent to HiTEC[®] 5754A can be made by dissolving HiTEC[®] 5835H polymer in a wide range of base oils. Please contact your Afton Chemical representative to obtain specific guidelines for dilution oil quality and dissolving conditions.

Recommended Dosage

HiTEC[®] 5835H may be dissolved in a wide range of base oils from 9.5 to 10.5 wt% to produce a liquid viscosity modifier.

Typical HiTEC[®] 5835H Characteristics

Appearance	Pale white to amber polymer
Melt Flow Index ₁	3.8 typical, 4.5 max.
Volatiles, wt%	0.5 max.
Propylene, wt%	51

Typical Liquid Viscosity Modifier derived from HiTEC[®] 5835H at 9.5 wt%

Viscosity @ 100°C, cSt	1000
Shear Stability Index, %	35
Diluted Viscosity ₂ , cSt @ 100°C	11.2

Handling Information

Max Dissolving Temp: 150°C with nitrogen blanketing

Shelf Life: 60 months @ ambient temperature

₁ASTM D1238, 190°C, 2160 gram weight

₂Measured at 11.5 wt% in liquid viscosity modifier in RO-2001 reference oil (KV100C = 5.00 cSt)