

VISCOSITY MODIFIERS

HiTEC[®] 5835B

Olefin Copolymer Viscosity Modifier



Shear Stable Solid OCP For Engine Oil Applications

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Application

HiTEC® 5835B is a solid amorphous olefin copolymer designed for use as a Viscosity Modifier for passenger car and heavy duty engine oils.

Key Performance Benefits

HiTEC® 5835B provides a broad range of customer benefits:

- Excellent balance between shear stability and thickening power efficiency
- Excellent low temperature properties
- Applicable in a wide range of base oils
- Solid form - easy to dissolve in base oils

Recommended Dosage

HiTEC® 5835B may be dissolved in a wide range of base oils to produce a liquid HiTEC® 5754A Viscosity Modifier. Contact your Afton Chemical representative for more information.

Typical Characteristics

Properties of HiTEC® 5835B:

Appearance:	Pale white to amber polymer
Density at 15°C, g/ml:	0.875
Melt Flow Index, g/10:	2.9 max.
Ethylene Content, % wt:	51.1 max.

Properties of 10.1% wt. HiTEC® 5835B dissolved in 110N Group II base oil:

Colour, ASTM D1500:	0.3
Density at 15°C, g/ml:	0.85
Flash Point, °C (PMCC):	188
Kinematic Viscosity at 100°C, mm ² /s:	1,119
SSI ¹ (Bosch) ASTM D6278, % TP Loss:	32.6
Thickening Power ¹ at 100°C, cSt:	6.56

Handling Information

Max Dissolving Temp: 150 °C with nitrogen blanketing

Shelf Life (ambient): 60 months

¹ Measured at 11.5 wt% liquid VI Improver in RO-2001 reference oil (KV100C = 4.95 cSt)

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