COMPONENTS

HiTEC® 5835B

Olefin-based VI Improver Polymer

For Use in the Manufacture of Liquid NCOCP VI Improvers

Afton® CHEMICAL
Passion for Solutions™

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Application

HiTEC® 5835B olefin-based Viscosity Index Improver polymer is recommended for use in the manufacture of liquid NCOCP VI Improvers for use in formulating crankcase and industrial oils.

Key Performance Benefits

HiTEC® 5835B is a solid amorphous olefin copolymer designed for use as a Viscosity Index Improver for passenger car and heavy duty engine oils. 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
- 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® 5835B solid polymer in a wide range of base oils. Please contact your Aftom Chemical representative to obtain specific guidelines for dilution oil quality and dissolving conditions.

Recommended Dosage

HiTEC® 5835B may be dissolved in a wide range of base oils from 9.5% to 10.5% wt. to produce a liquid Viscosity Index Improver.

Typical Characteristics

Appearance	Pale white to amber polymer
Viscosity @ 100°C, cSt	11.2
Melt Flow Index[1]	2.55
Volatiles, % wt.	0.5 max.
Ethylene, % wt.	49
SSI of Liquid VII, %	35
Thickening Power, cSt @ 100°C	6.25

Handling Information

Max Dissolving Temp: 150°C with nitrogen blanketing
Shelf Life: 60 months @ ambient temperature

[1]ASTM D1238, 190°C, 2160 gram weight

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