

VISCOSITY MODIFIERS

HiTEC[®] 5825H

Olefin Copolymer Viscosity Modifier



Shear Stable Solid OCP For Engine Oil Applications

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Application

HiTEC[®] 5825H additive is a solid amorphous olefin copolymer designed for use as a Viscosity Modifier for engine oils. HiTEC[®] 5825H additive imparts excellent shear stability and low temperature properties to passenger car motor oils and heavy duty engine oils.

Key Performance Benefits

HiTEC[®] 5825H additive benefits include:

- Excellent low temperature properties
- Solid form, easy to dissolve in base oils
- Applicable in a wide range of base oils
- Covers key Approvals (ACEA, Daimler, Volvo...) when used with the appropriate package

Recommended Dosage

HiTEC[®] 5825H may be dissolved in a wide range of base oils to produce liquid HiTEC[®] 5748 Viscosity Modifier. For more information, contact your Afton Chemical representative.

Typical Characteristics

Properties of HiTEC[®] 5825H:

Appearance:	Clear to grey solid
Density at 15°C, g/ml:	0.875
Propylene Content, % wt:	52 max.

Properties of 12.0% wt. HiTEC[®] 5825H dissolved in ExxonMobil 150N AP/E:

Colour, ASTM D1500:	0.7
Density at 15°C, g/ml:	0.869
Flash Point, °C (PMCC):	210
Kinematic Viscosity at 100°C, mm ² /s:	1149
SSI ¹ (Bosch) ASTM D6278, % TP Loss:	21.6
Thickening Power ¹ at 100°C, cSt:	6.52

Handling Information

Max Dissolving Temp: 150 °C with nitrogen blanketing
Shelf Life: 36 months

¹ Measured at 11.5 wt% liquid VI Improver in RO-2001 reference oil (KV100C = 5.0+/-0.05 cSt)

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