

Renewably-Sourced High Performance Olefins



Novalene is produced from plants which are converted to pure hydrocarbon olefins through an advanced industrial biotechnology platform. Due to this production process, Novalene is a pure hydrocarbon, containing none of the impurities found in conventional olefins derived from crude petroleum or natural gas processes. Novalene is designed to be applicable for all reactions typical of synthetic, non-renewable olefins. It can be used in the production of amines and amine oxides, oxo alcohols, alkylated aromatics, alpha olefin sulfonates, alkyl succinic anhydrides, drilling fluids, and epoxides. Novalene leads the market in key environmental metrics including biodegradability, toxicity, and renewability to enable a chemical platform to perform with reduced environmental impact.

FEATURES	BENEFITS
Sustainability	100% renewable with a negative carbon footprint
Purity	Narrow range of molecular weight for specialty chemical applications
Linearity	Linear structure to provide consistent reactions and final product properties
No sulfur content	Contributes to lower emissions
Biodegradable	Reduces potential for environmental damage caused by spills or leakage

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TYPICAL PROPERTIES

Properties	Method	Novalene 70P
Carbon Number (wt. % C16)	GLC`	97
n-Alpha Olefin (wt. %)	IR	70-85
Branched Olefins (wt. %)	GLC	<1.0
cis- and trans- 2-Hexadecene (wt%)	GLC	<3.0
Paraffin (wt. %)	GLC	<0.2
Color	Pt-Co	<10.00
Specific Gravity (15.6°C)	ASTM D 287	0.78
Water (ppm)	ASTM E 1064	<100
Pour Point (°C)	ASTM D 97	< -10
Flash Point, TCC (°F / °C)	ASTM D 56	> 266 (> 135)
Freezing Point (°F / °C)	ASTM D 1015	<14 (<-10)
Appearance	ASTM D 4176	Clear and Bright
Renewable Carbon	ASTM D6866-18	>98

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

