

## ***C<sub>6</sub> Normal Alpha Olefin (1-Hexene)***

### ***APPLICATIONS***

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|-----------------------------|--|
| <b>Polymers</b>             | • Polyethylene Comonomers  |
| <b>Surfactants</b>          | • Alkyl Aromatics  |
| <b>Additives</b>            | • Plasticizer Alcohols   |
| <b>Speciality Chemicals</b> | • Epoxides <ul style="list-style-type: none"> <li>▪ Alkyl Silanes</li> <li>▪ Metal Alkyls</li> </ul> |
|                             | • Flavors & Fragrances   |

<b><i>1-Hexene Chemical Analysis</i></b>		
<b>Characteristic</b>	<b>Method</b>	<b>Specification</b>
1-Hexene, wt. %, min.	GLC	99.0
Carbon Number, wt. % <C6 max.	GLC	0.05
Carbon Number, wt. % C6 min.	GLC	99.8
Carbon Number, wt. % >C6 max.	GLC	0.08
Vinylidene, wt. % max.	GLC	0.1
cis and trans 2-Hexene, wt. % max	GLC	1.0
Paraffin, wt. % max.	GLC	0.3
Water, ppm by wt., max.	ASTM E 1064	25
Peroxide, ppm by wt., max	SM 80-17	1.0
Carbonyls, ppm by wt., max.	ASTM E 411	1.0
Color, Saybolt, min.	ASTM D 6045	+30
Appearance	ASTM D 4176	Clear & Bright
Benzene, ppb by wt., max.	GLC	200

<b>Additional Information</b>	<b>Method</b>	<b>Typical Value</b>
API Gravity, 60°F/60°F (15.6°C /15.6°C)	ASTM D 287	77.4
Specific Gravity, 60°F/60°F(15.6°C/15.6°C)	ASTM D 287	0.677
Density, lb./gal., 60°F(15.6°C)		5.64
Sulfur, ppm by wt.	ASTM D 3210	<1.0
Flash Point, TCC, °F (° C)	ASTM D 56	-14.8 (-26.0)
Autoignition Temp., °F (° C)	ASTM E 659	500 (260)

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