

1-Hexene (C₆H₁₂) Technical Data

Property	Method	Typical Value
Carbon Number, wt. % <C ₆	GLC	0.01
Carbon Number, wt. % C ₆	GLC	99.99
Carbon Number, wt. % >C ₆	GLC	<.01
n-Alpha Olefin, wt. %	GLC	99.09
Vinylidene, wt. %	GLC	0.26
cis- and trans- 2-Hexene, wt%	GLC	0.08
Paraffin, wt. %	GLC	0.15
Color, Saybolt	ASTM D 6045	30.00
Specific Gravity Solid, 60°/60°F, 15.6°/15.6°C	ASTM D 287	0.68
API Gravity, 60°F/60°F (15.6°C/15.6°C)	ASTM D 287	77.14
Density, lb./gal., 60°F, (15.6°C)	--	5.64
Peroxide, ppm by wt.	SM 80-17	0.00
Carbonyls, ppm by wt.	ASTM E 411	0.00
Benzene, ppm by wt.	GLC	0.00
Sulfur, ppm by wt.	ASTM D 3120	--
Water, ppm by wt.	ASTM E 1064	19.08
Flash Point, CCCFP°F, °C	ASTM D 6450	-15 (-26)
Appearance	ASTM D 4176	Clear and Bright
Auto Ignition Temperature, °F (°C)	ASTM E 659	500 (260)

1. The nominal properties herein are typical of the product but do not reflect normal production and testing variances and therefore should not be used for specification purposes. Values are rounded.