

1-Octene (C₈H₁₆) Technical Data

Suggested Applications

Chevron Phillips Chemical Company LP's 1-Octene is recommended for applications such as polyethylene comonomer, detergent alcohols, flavors and fragrances, alkyl silanes, polyalphaolefins and plasticizer alcohols to name just a few.

Property	Method	Typical Value
Carbon Number, wt. % C ₈	GLC	99.88
n-Alpha Olefin, wt. %	GLC	97.65
Vinylidene, wt. %	GLC	1.82
Paraffin, wt. %	GLC	0.21
Color, Saybolt	ASTM D 6045	30.00
Specific Gravity Solid, 60°/60°F, 15.6°/15.6°C	ASTM D 287	0.72
API Gravity, 60°F/60°F (15.6°C/15.6°C)	ASTM D 287	65.11
Density, lb./gal., 60°F, (15.6°C)	--	6.00
Peroxide, ppm by wt.	SM 80-17	0.00
Carbonyls, ppm by wt.	ASTM E 411	0.00
Water, ppm by wt.	ASTM E 1064	13.40
Flash Point, TCC°F, °C	ASTM D 56	55 (12.8)
Appearance	ASTM D 4176	Clear and Bright
Auto Ignition Temperature, °F (°C)	ASTM E 659	430 (221)

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.