

For more information and technical assistance contact:

Chevron Phillips Chemical Company LP
P.O. Box 4910
The Woodlands, TX 77387-4910
800.231.3260



AlphaPlus® 1-Dodecene Technical Data

Property	Method	Typical Value
Carbon Number, wt. % C ₁₂	GLC	98.80
n-Alpha Olefin, wt. %	GLC	95.41
Vinylidene, wt. %	GLC	3.73
cis- and trans- 2-Dodecene, wt%	GLC	0.18
Paraffin, wt. %	GLC	0.22
Color, Saybolt	ASTM D 6045	30.00
Specific Gravity Solid, 60°/60°F, 15.6°/15.6°C	ASTM D 287	0.763
API Gravity, 60°F/60°F (15.6°C/15.6°C)	ASTM D 287	54.0
Density, lb./gal., 60°F, (15.6°C)	--	6.36
Water, ppm by wt.	ASTM E 1064	48
Pour Point, °F, °C	ASTM D 97	-33 (-36.1)
Flash Point, TCC°F, °C	ASTM D 56	171 (77.2)
Freezing Point, °F, (°C)	ASTM D 1015	-31 (-35.0)
Appearance	ASTM D 4176	Clear and Bright
Auto Ignition Temperature, °F (°C)	ASTM E 659	439 (226)

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.

MSDS # 10000068203

Revision Date September 2022



Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Chevron Phillips Chemical Company LP does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.