



NEODENE[®] 12

Higher Olefins

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SICC Product Code: V1142

Description:

NEODENE[®] 12 Linear Alpha Olefin is high purity 1-dodecene made by the Shell Higher Olefins Process (SHOP) by the oligomerisation of ethylene.

TYPICAL CHEMICAL PROPERTIES ^a	Property	Unit	Value	Method
	C10 and lower	%m/m	< 1	SMS2895
	C12	%m/m	> 97	SMS2895
	C14 and higher	%m/m	< 2	SMS2895
	Total n-Alpha Olefins	%m/m	> 94.0	SMS2895
	Branched + Internal Olefins	%m/m	< 6.0	SMS2895
	Total Paraffins	%m/m	< 0.2	SMS2895
	Appearance		CSFVI ^b	Visual
	Color, Pt-Co	Pt-Co	< 5	ASTM D1209
	Carbonyl as C=O	mg/kg	< 15	SMS2894
	Peroxides as O	mg/kg	< 3.0	SMS359
	Water	mg/kg	< 100	ASTM E1064

a: An official sales specification is available from your local Shell Chemicals representative.

b: Clear & Substantially free of visual impurities

Typical Physical Properties ^a	Property	Unit	Value
	Density @ 20 °C	kg/l	0.762
	Boiling Point Range	°C	200 – 252
	Flashpoint	°C	83
	Freezing point	°C	-36
	Kinematic viscosity @ 20 °C	mm ² /s	1.8

a: An official sales specification is available from your local Shell Chemicals representative.

Storage and Handling

NEODENE® Alpha Olefins can be supplied with or without antioxidant as requested. Advice on the storage and handling of NEODENE® Linear Alpha Olefins can be found in the Safety Data Sheet on our website at www.shell.com/chemicals/msds or by contacting your local Shell Chemicals Representative.

Hazard Identification

Alpha Olefins are potentially hazardous material; everyone concerned with handling it must be conversant with the nature of the hazards and trained in the recommended handling procedures for both normal and emergency situations. Before handling the product refer to the Safety Data Sheet that is available on our website at www.shell.com/chemicals/msds or by contacting your local Shell Chemicals Representative.

Emergency Helpline

For emergency telephone numbers refer to the Safety Data Sheet relevant for your company's country and language.

Shell Warranties

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