

ALPHA-OLEFINS 1-HEXENE

1-Hexene is a product of catalytic thermal ethylene oligomerization. This alpha-olefin is used in low- and medium-density polyethylene production for processes of gas phase, suspension and solution copolymerization with ethylene, as well as a component of hydrocarbon fractions compositions in different areas.

CAS Number: 529-41-6

Design specification: TU 2411-059-05766801-96

PROPERTY	VALUE			TEST METHOD
	POLYMER	GRADE A	GRADE B	
Density at 20°C, g/cm ³	0.672 - 0.676			GOST 18995.1
Hydrocarbons mass content, %:				para. 4.4 of TU
- C6, min.	99.7	99.5	99.5	
- C4, max.	0.2	0.2	0.2	
- C8 and higher, max.	0.1	0.3	0.3	
Linear α -olefins, % mol., min.	99.0	96.8	95.0	para. 4.4 of TU
Branched α -olefins, % mol., max.	0.7	1.7	3.0	para. 4.4 of TU
Internal olefins, % mol., max.	0.3	1.5	2.0	para. 4.4 of TU
Paraffins mass content, %, max.	0.2	0.2	3.8	para. 4.5 of TU
Peroxidates mass content, %, max.	0.0001	0.0001	0.0002	para. 4.6 of TU
Sulphides mass content, %, max.	0.0002	0.0002	0.0002	GOST 13380 and para. 4.7 of TU
Water mass content, %, max.	0.0025	0.0025	0.0025	GOST 14870

Supply form: Clear colorless liquid with a specific, pronounced odor.

Packaging: Product is shipped in railway tank-cars.

Transportation: Product is transported by railway.

Storage: In sealed steel container under nitrogen blanket.

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