

Propylene

GOST 25043-2013 with amendment 1

APPLICATION

Propylene is obtained in the process of pyrolysis of hydrocarbon raw materials and is used in the production of polypropylene, isopropyl and butyl alcohols, acrylonitrile, isopropylbenzene, propylene oxide, glycerin and other organic products.

HAZARD IDENTIFICATION

Low-hazard substance in terms of its impact on the body in accordance with GOST 12.1.007. Colorless flammable gas. Cooled gas; may cause frostbite. May cause headache, dizziness, decreased breathing, circulatory disorders, loss of consciousness. May contaminate environmental objects.

Parameter name	Value		Test method
	Premium grade	First grade	
Volume fraction of propylene, %, no less	99.8	99.0	GOST 24975.1
Volume fraction of ethylene, %, no more	0.005	0.01	GOST 24975.1
Volume fraction of acetylene and methylacetylene, %, no more	0.001	0.005	GOST 24975.1
Volume fraction of C4 hydrocarbons, %, no more	0.002	0.05	GOST 24975.1
Volume fraction of diene hydrocarbons (propadiene and butadiene), %, no more	0.001	0.015	GOST 24975.1
Volume fraction of ethane and propane, %, no more	0.2	0.7	GOST 24975.1
Mass concentration of sulfur, mg/dm ³ , no more	1	3	GOST 24975.2
Mass fraction of water, %, no more - in product supplied by pipeline - in product supplied in tanks	0.0005 % 0.02 %	Not standardized	GOST 24975.5
Free water content	absence	absence	GOST 25043

TRANSPORTATION AND STORAGE

The product is transported by pipeline and in special railway and road tankers designed for pressure, in accordance with the rules for the transportation of dangerous goods in force for this type of transport.

Propylene is stored in accordance with the requirements of GOST 1510 and the rules for the design and safe operation of vessels operating under pressure.

GUARANTEE OF MANUFACTURER

The manufacturer guarantees that propylene complies with GOST requirements, subject to transportation and storage conditions.

The information contained in this document is given according to our knowledge at the time of publication. It is the responsibility of the customer to test our products to determine their suitability for the intended application. The manufacturer accepts no liability for loss/damage that may arise from the use of this information. UN number: 1077. Classification code: 2313 (GOST 19433), 2112 (railway transport).