

Ethylene

GOST 25070-2013

APPLICATION

Liquefied ethylene is obtained in the process of pyrolysis of hydrocarbon raw materials and is used in the production of polyethylene, polyvinyl chloride, ethylene oxide, ethyl alcohol, ethylbenzene, acetic aldehyde and other organic products, as well as for refrigeration units. It is not intended for the production of low-pressure polyethylene by the gas-phase method.

Parameter name	Value	Test method
Volume fraction of ethylene, no less	99.9 %	GOST 24975.1
Volume fraction of propylene, no more	0.005 %	GOST 24975.1
Volume fraction of methane and ethane, %, no more	0.1	GOST 24975.1
Volume fraction of acetylene, %, no more	0.001	GOST 24975.1
Volume fraction of dienes, %, no more	0.0005	GOST 24975.1
Volume fraction of carbon dioxide, %, no more	0.001	GOST 24975.1
Volume fraction of methanol, %, no more	0.001	GOST 24975.1
Volume fraction of oxygen in the product supplied through the pipeline, %, no more	0.0002	GOST 24975.3
Mass concentration of sulfur, mg/m ³ , no more	1	GOST 24975.2
Mass fraction of water, %, no more		
- in product supplied by pipeline	0.001	GOST 24975.5
- in product supplied in tanks and cylinders	0.02	
Volume fraction of ammonia, %, no more	0.0001	GOST 24975.4

HAZARD IDENTIFICATION

Low-hazard substance in terms of its impact on the body in accordance with GOST 12.1.007. Extremely flammable gas. Cooled gas; may cause frostbite. May cause drowsiness and dizziness. May pollute environmental objects.

TRANSPORTATION AND STORAGE

Transported in special railway and road tankers designed for pressure. Transportation and storage of ethylene is carried out in accordance with the requirements of GOST 1510 (similar to hydrocarbon liquefied fuel gases), rules for the design and safe operation of vessels operating under pressure. Transportation by rail and road transport is also carried out in accordance with the rules for the transportation of dangerous goods in force for this type of transport.

GUARANTEE OF MANUFACTURER

The manufacturer guarantees that ethylene 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: 1038. Classification code: 2311 (GOST 19433), 2113 (railway transport).