

Technical propane

GOST 34858-2022

PRODUCT DESCRIPTION

Liquefied petroleum gas: a mixture of hydrocarbons converted into a liquid state.

APPLICATION

For municipal, domestic and industrial consumption as fuel; industrial use is permitted.

HAZARD IDENTIFICATION

Low-hazard substance in terms of its impact on the body in accordance with GOST 12.1.007. Has a narcotic effect. May cause suffocation. Causes frostbite when the liquefied product comes into contact with skin and mucous membranes. Flammable (combustible) liquefied gas. Forms explosive mixtures with air. Gas under pressure; cylinders (containers) may explode when heated. May pollute environmental objects.

Parameter name	Value	Test method
Component composition, mass fraction, %: - amount of methane, ethane, ethylene	Not standardized, Determination is required	GOST 10679, GOST 33012
- amount of propane and propylene, not less than	75.0	
- amount of butanes and butylenes	Not standardized, Determination is required	
Volume fraction of liquid residue at a temperature of plus 20 °C, %, no more than	0.70	GOST 34858
Saturated vapor pressure, excess, MPa, at temperature: - plus 45 °C, no more - minus 20 °C, no more	1.6 0.16	GOST 28656, GOST 34429, GOST ISO 4256
Mass fraction of total sulfur, %, no more than or total sulfur content, mg/kg, no more than	Not standardized, Determination is required (0,0050)* Not standardized, Determination is required (50)*	GOST 22986
Mass fraction of hydrogen sulfide and mercaptan sulfur, %, no more than - including hydrogen sulfide, %, no more than	0.013 (0.0050)** 0.0020 (0.0010)**	GOST 22985
Free water and alkali content	absence	GOST 34858
Odor intensity, points, not less than	3	GOST 22387.5

* - The indicator is subject to mandatory determination from 15.01.2025. The standard indicated in brackets comes into effect from 15.01.2030.

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TRANSPORTATION AND STORAGE

Transportation is carried out in accordance with GOST 1510, the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), TR EAEU 036/2016, in accordance with the industrial safety rules for hazardous production facilities that use equipment operating under excess pressure, and taking into account the rules for the transportation of dangerous goods in force for a specific type of transport.

Storage is carried out in stationary metal horizontal or spherical high-pressure tanks, cylindrical vertical isothermal ground tanks, metal and composite cylinders in accordance with GOST 1510.

Flammable. Keep away from direct sunlight.

GUARANTEE OF MANUFACTURER

The guaranteed shelf life is 6 months from the date of manufacture.

The information contained in this document is provided 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: 1978. Classification code: 2313 (GOST 19433), 2112 (railway transport).