

PERFLUOROOCTANE (PFO)



Manufacturer:
"HaloPolymer Perm", OJSC
QMS for production is certified: ISO 9001

CHEMICAL NAME: Perfluorooctane
SYNONYMS: Octadecafluorooctane, Fluorocarbon liquid
CHEMICAL FORMULA: C₈F₁₈
CAS: 307-34-6

Perfluorooctane is colorless transparent liquid without mechanical impurities



PHYSICAL-CHEMICAL PROPERTIES

PARAMETERS	UNITS	VALUE
Content of perfluorooctane, min	Wt., %	99
Content of moisture	Wt., %	none
Boiling point	°C	104
Melting point	°C	-25
Density	g/cm ³	1,77
Solubility of oxygen, min	Vol., %	43
Viscosity (dynamic)	mPa*s	1,4
Molecular Weight	-	438,06
Dielectric constant	-	1,79
Refractive Index	-	1,255
Acidity	-	none
Hydrogen ion exponent of water extract (pH-value), within the limits	-	6-7
Flash point	°C	none
Autoignition temperature	°C	none



Main application:

Base component for ophthalmology fluids, liquid dielectric, solvent for dissolve of molecular oxygen, inert heat transfer agent.



Transportation and storage:

The product is transported by any kind of transport in covered vehicles. The product is non-hazardous goods. Product is stored at the temperature of - 20...+40°C. Guaranteed storage time is 1 year from the date of production.