

PERFLUOROPROPYL- PERFLUOROVINYL ETHER



Manufacturer:
"HaloPolymer Kirovo-Chepetsk", LLC

CHEMICAL NAME:	1,1,1,2,2,3,3-Heptafluoro-3-[(trifluorovinyl)oxy]propane
SYNONYMS:	Heptafluoropropyl trifluorovinyl ether; 1,1,1,2,2,3,3-Heptafluoro-3-[(1,2,2-trifluoroethenyl)oxy]propane; 1,1,2,4,4,5,5,6,6,6-Decafluoro-3-oxahex-1-ene; Heptafluoropropyl trifluorovinylether; Perfluoropropoxyethene; Perfluoro(propyl vinyl ether)
TRADE NAME:	Perfluoropropylperfluorovinyl ether, PPVE
CHEMICAL FORMULA:	$CF_3CF_2CF_2OCF=CF_2$; $(C_5F_{10}O)$
CAS №:	1623-05-8
EC №:	216-600-2

It is a transparent, colorless liquid without mechanical impurities, with slight specific smell, difficult-flammable, inexplusive.



PROPERTIES	UNITS	VALUE	
		Grade 1	Grade 2
Mass fraction of perfluoropropylperfluorovinyl ether inclusive of mass fraction of perfluoro (isopropyl vinyl ether), min	%	99,9	99,8
Mass fraction of perfluoro(propyl)tetrafluoro(ethyl) ether, max	%	0,1	It's not rated
Mass fraction of perfluoro(isopropyl vinyl ether), max	%	0,3	It's not rated
Mass fraction of bis(2-methoxyethyl) ether, max	%	0,0005	0,001
Mass fraction of other impurities determined by chromatographic method, max	%	0,1	0,2
Molar equivalent concentration of acid impurities, max	mmol/dm ³	3	5
Molar equivalent concentration of impurities of fluoride ions, max	mmol/dm ³	1,5	1,5
Boiling point, in range of	°C	35-36	
Melting point	°C	-70	
Molecular weight	-	266,04	

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Main application:

Perfluoropropylperfluorovinyl ether is used to produce fluororganic polymers, copolymers and compounds.



Package:

Perfluoropropylperfluorovinyl ether is filled into stainless steel containers with the capacity 40 dm³ or 250 dm³. Consumer's hermetical special steel containers supplied with the Act of suitability are allowed.



Transportation and storage :

Perfluoropropylperfluorovinyl ether is transported in any kind of transport. It is stored in stockrooms providing sun protection.