

Products for polymerization

 HaloPolymer



Wide range of polymers and elastomers

At present time our company produce several types of perfluorinated monomers, which are widely used in manufacturing of fluoropolymers, co-polymers and fluoroelastomers.

Chemical name of monomer

Vinylidene fluoride

Chlorotrifluoroethylene

Tetrafluoroethylene

Hexafluoropropylene

Perfluoropropyl vinyl ether

Perfluoromethyl vinyl ether

Related polymers and elastomers

PVDF, CTFE-VDF, THV, FKM

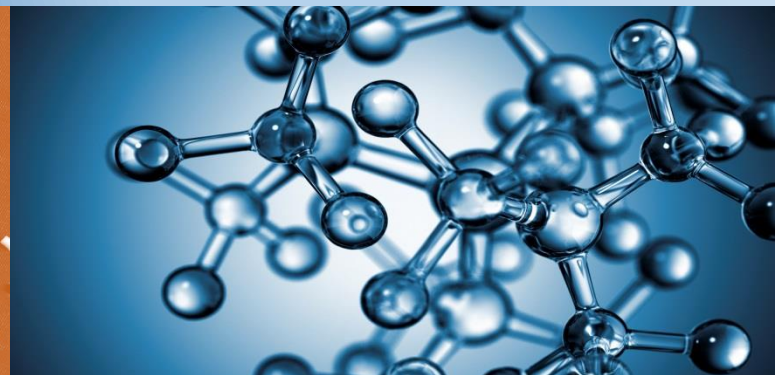
PCTFE, CTFE-VDF, ECTFE

PTFE, FEP, ETFE, THV, FKM, FFKM

FEP, THV, Modified-PTFE, FKM

PFA

MFA



On base of our monomers wide range of fluoroorganic compounds can be produced also. Among them is widely known hexafluorobutadiene, which is successfully used in sphere of production electronics.

CAS 75-38-7

Chemical formula: C₂H₂F₂

Description: Colorless gas. Relates to easy flammable and explosive substances. Products of thermal decomposition are toxic.



| Parameters | Units | Value |
|-------------------------------------|-------|-------|
| Mass content of base material (min) | % | 99,97 |
| Boiling point | °C | -84 |
| Autoignition temperature | °C | 480 |

CAS 79-38-9**Chemical formula:** C₂F₃Cl**Description:** Colorless gas. Relates to easy flammable and explosive substances. Toxic.

| Parameters | Units | Value |
|-------------------------------------|-------|-------|
| Mass content of base material (min) | % | 99,98 |
| Boiling point | °C | -27 |
| Autoignition temperature | °C | 600 |

CAS 116-14-3

Chemical formula: C₂F₄

Description: Colorless gas. Relates to easy flammable and explosive substances. Products of thermal decomposition are toxic.



| Parameters | Units | Value |
|-------------------------------------|-------|-------|
| Mass content of base material (min) | % | 99,98 |
| Boiling point | °C | -76,5 |
| Autoignition temperature | °C | 780 |

CAS 116-15-4**Chemical formula:** C₃F₆**Description:** Colorless gas. Relates to the toxic substances. Non-explosive.

| Parameters | Units | Value | |
|-------------------------------------|-------|---------|---------|
| | | Grade A | Grade B |
| Mass content of base material (min) | % | 98,5 | 96,0 |
| Boiling point | °C | -29,1 | |

CAS 428-59-1

Chemical formula: C₃F₆O

Description: Colorless gas. Not flammable and not explosive. Products of thermal decomposition are toxic.



| Parameters | Units | Value |
|-------------------------------------|-------|-------|
| Mass content of base material (min) | % | 98,5 |
| Boiling point | °C | -27,5 |

CAS 1187- 93-5

Chemical formula: C₃F₆O (CF₃OCF=CF₂)

Description: Colorless gas. Relates to easy flammable substances.



| Parameters | Units | Value |
|-------------------------------------|-------------------|-------|
| Mass content of base material (min) | % | 99,0 |
| Boiling point | °C | -22 |
| Density | g/cm ³ | 1,41 |

CAS 1623-05-8**Chemical formula:** C₅F₁₀O (CF₃CF₂CF₂OCF=CF₂)**Description:** Colorless liquid. Colorless gas. Not flammable and not explosive.

| Parameters | Units | Value |
|-------------------------------------|-------------------|-------|
| Mass content of base material (min) | % | 99,0 |
| Boiling point | °C | 34-35 |
| Density | g/cm ³ | 1,53 |

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