

2-Bromotetrafluoroethyl trifluorovinyl ether

$\text{CF}_2=\text{CFOCF}_2\text{CF}_2\text{Br}$ (abb. ; FBrVE)

Purity	98%
CAS Number	85737-06-0
Molecular Formula	C4BrF7O
Molecular Weight	276.94

FBrVE has excellent copolymerizability with many fluorovinyl monomers and gives peroxide-crosslinkable fluoroelastomers with uniform composition distribution. High elongation at break and excellent compression set resistance are obtained with various compositions.

	Ex-1	Com.Ex-1	Com.Ex-2	Ex-2	ComEx-3
Composition (mol%)					
V/H/M/T	54/20/0/26	54/20/0/26	53/20/0/26	70/0/22/8	71/0/19/10
CSM	FBrVE	BDFE	BTFE	FBrVE	BDFE
Original properties					
Hs(pts)	72	72	73	66	69
TB(MPa)	24.5	25.4	19.2	20.2	18.9
EB(%)	303	349	276	314	382
CS(press)	28%	37%	43%	27%	41%
CS(post)	24%	26%	28%	26%	27%

Abb. V;CH₂=CF₂, H;CF₂=CFCF₃, M;CF₂=CFOCF₃, T;CF₂=CF₂, CTA; ICF₂CF₂Br

Note-1 CS ; Compression set, P-24 O-ring 25%compress,200°C*70hr

Note-2 CSM;0.1mol% , Polymzn temp. 50°C

Ref. US 5,151,492, US ,6,380,337

Properties:

Appearance	-
Boiling point, °C	55
Flash point, °C	

Capacity:	250kg/month
Packing:	-
UN, PG:	-