

## Effects of SF<sub>6</sub> on elastomer materials

Immersion conditions: 50°C x 5 days

Elastomer material	Liquid phase		Gas phase	
	Weight change rate (%)	Dimension change rate (%)	Weight change rate (%)	Dimension change rate (%)
Natural rubber	0.9	5	0.1	-0.4
Urethane rubber	1.1	-0.3	-0.2	-0.3
Isobutylene isoprene rubber	2.2	0.9	0.3	-0.3
Polychloroprene	0.9	1.5	0.1	0.1
Fluoroelastomer	7.2	4.9	0.9	<0.1
Chlorosulphonated polyethylene	0.8	1.3	0.1	0.5
Silicone rubber	2.5	<0.1	0.5	0.9
Nitril rubber	1.1	3.4	0.1	0.1
EPDM	2	8.2	0.3	0.4