

## ● Alkali Resistance

Chemicals	Immersion conditions		Retention(%)			Change ratio	
	Temperature(°C)	Time(days)	Tensile strength	Elongation	100% Modulus	Hardness (point)	Volume change(%)
50% sodium hydroxide	180	3	102	91	86	+1	1.5
"	180	7	96	94	81	0	-0.3
"	180	30	117	81	126	+2	-0.1
"	100	3	101	116	96	-1	1.1
"	R.T.	7	108	116	75	+2	1.2
"	R.T.	30	—	—	—	-1	0.3
"	R.T.	90	—	—	—	—	0.7
"	R.T.	180	—	—	—	—	0.5
20% sodium hydroxide	100	3	95	117	92	-3	2.0
"	R.T.	7	85	104	100	-1	-0.3
"	R.T.	30	—	—	—	+1	-0.1
7% ammonia solution	140	30	87	107	68	-8	16.1
28% ammonia solution	70	3	82	116	116	-1	3.2
"	R.T.	7	—	—	—	0	1.3
"	R.T.	30	—	—	—	+1	0.8
"	R.T.	90	—	—	—	—	1.0
"	R.T.	180	—	—	—	—	2.5