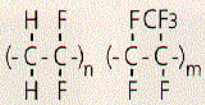
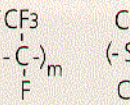
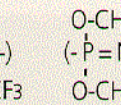
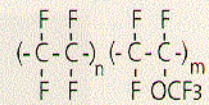
●Appendix

Comparative data of AFLAS and other type fluororubbers

	C_2F_4-C_3H_6 AFLAS	CH_2CF_2-C_3F_6 elastomer	Fluorosilicone elastomer	Phosphazene elastomer	C_2F_4-$C_2F_3OCF_3$ elastomer
Basic structure					
Specific gravity	1.51～1.60	1.81～1.86	1.30～1.40[1]	1.75	2.02
Properties					
Tensile strength (MPa)	12～20	12～18	8～10	7～10	15～20
Elongation (%)	250～350	150～450	200～500	100～200	50～200
Hardness	60～90	65～90	50～70	50～80	70～90
Tear (kN/m)	25～40	25～40	10～30		
Heat resistance (Continuous use)	230°C	230°C	185°C	175°C	250°C
Cold resistance					
Brittle point	-40°C	-30°C	-68°C	—[2]	-40°C
TR-10	0°C	-17°C	-67°C	-68°C	0°C
Chemical resistance					
Acid	A	B～A[3]	C	—[2]	A
Alkali	A	B	B	—[2]	A
Oxidation/Reduction	A	C～B[3]	C	—[2]	A
Hot water/ steam resistance	A	B～A	B	B	B
Oil resistance					
Lubricant	A	B	B～A	—[2]	A
Fuel	B	A	B	B	A
Working oil	B～A	C～A	B～A	B～A	A
Sovent resistance					
Polar solvent	A	B	B	C	A
Non-polar solvent	B	A	A	A	A
Compression set	B	C～A[3]	B	B	D

1) Fillier included 2) Details unknown 3) Depends on formula
A>B>C>D in excellence