1. GAS PERMEABILITY x 10^{-8} *cm^3*cm / cm^2 *sec*cmHg

N_2	2.5	NO	5.3	Kr	10.0	H_2S	88.4
CO	3.0	Ar	5.3	CO_2	15.3	NO_2	133.0
He	3.1	H_2	5.7	NH_3	20.9	H_2O	318.0
O_2	5.0	CH_4	8.3	Xe	22.8	CS_2	793.0

2.ORGANIC VAPOR PERMEABILITY x 10^{-7} *cm^3(STP)*cm / cm^2 *sec*cmHg

methanol	12.2	freon 113	7.4	P-xylene	6.6
ethanol	10.0	n-pentane	10.3	O-xylene	1.6
acetone	14.7	toluene	5.8	cyclohexane	16.0
benzene	7.4	ethylbenzene	2.2	n-octane	5.9

3.SPECIFICATIONS OF HOLLOW FIBER

		M40	M60	M80
outer diameter	μm	250	320	330
inner diameter	μm	170	200	170
thickness	μm	40	60	80
max. elongation	%	370	370	370
O_2 permission speed	cc/m^2 min. atm	500	380	260

4.SPECIFICATIONS OF TEST MODULE

	M40-A	M40-B	M60-A	M60-B	M80-A	M80-B
membrane area	0.3m^2	0.6m^2	0.37m^2	0.74m^2	0.35m^2	0.7m^2
hollow fiber	M40	→	M60	→	M80	→
shell	p.carbonate	→	→	→	→	→
binder	epoxy	→	→	→	→	→
heat resistance	80 C	→	→	→	→	→
pressure resistance	2.0kg/cm^2	→	→	→	→	→

	M40-AS	M40-BS	M60-AS	M60-BS	M80-AS	M80-BS
membrane area	0.3m^2	0.6m^2	0.37m^2	0.74m^2	0.35m^2	0.7m^2
hollow fiber	M40	→	M60	→	M80	→
shell	p.carbonate	→	→	→	→	→
binder	silicone	→	→	→	→	→
heat resistance	150 C	→	→	→	→	→
pressure resistance	2.0kg/cm^2	→	→	→	→	→

5.SPECIAL TUNING

Also available such modules specially tuned according to your own requests.

For example; membrane area scaled up to 50m^2.
modules with other kinds of shell or nothing.
hollow fibers woven to textiles.