



NAGASEP silicone hollow fiber specifications

Type	M40	M60	M80
Membrane thickness	40 μm ($\pm 5 \mu\text{m}$)	60 μm ($\pm 5 \mu\text{m}$)	80 μm ($\pm 5 \mu\text{m}$)
Maximum differential pressure Kg/cm ²	2	3	4
Usable temperature range °C	-60~200°C		
Break strength Kg/cm ²	91		
Break elongation %	370		
Oxygen permeation rate (cc/m ² · min · atm)	500	380	260

NAGASEP gas permeability ($\times 10^{-8} \text{ cc} \cdot \text{cm} / \text{cm}^2 \cdot \text{sec} \cdot \text{cmHg}$)

N ₂	2.5	H ₂	5.7	Xe	22.8
CO	3.0	CH ₄	8.3	C ₃ H ₈	25.0
Ne	3.1	Kr	10.0	H ₂ S	88.4
He	3.2	C ₂ H ₄	13.3	NO ₂	133.0
O ₂	5.0	CO ₂	18.5	H ₂ O	318.0
NO	5.3	C ₂ H ₆	16.0	※Gas	
Ar	5.3	NH ₃	20.9	CS ₂	793.0

NAGASEP organic gas permeability ($\times 10^{-8} \text{ cc} \cdot \text{cm} / \text{cm}^2 \cdot \text{sec} \cdot \text{cmHg}$)

O-xylene	16	benzene	74	methanol	122
ethylbenzene	22	Freon 113	74	acetone	147
toluene	58	ethanol	100	cyclohexane	160
n-octane	59	gasoline	100	※	
P-xylene	66	n-pentane	103	※	