



Permeability of some organics in silicone rubber membranes

Permeability, $\text{cm}^3 \text{ cm/s cm}^2 \text{ cm Hg (x } 10^6)$

Alkanes

Methane	0.13
Ethane	0.33
Propane	0.80
Butane	1.0
Pentane	6.9
Hexane	8.8
Heptane	22

Aromatic Hydrocarbons

Benzene	13
Toluene	27
Ethylbenzene	42

Chloromethanes

Chlormethane	1.9
Dichloromethane	9.7
Chloroform	12
Carbon Tetrachloride	12

Chlorethylenes

Chloroethylene	1.6
1,1-dichloroethylene	8.0
Trichloroethylene	18
Tetrachloroethylene	45

Bromomethanes

Bromomethane	1.9
Dibromomethane	16
Bromoform	67

Alcohols

Methanol	5.3
Ethanol	11
1-propanol	13

