|  |  |  |
| --- | --- | --- |
| Membran | P | D |
| PU | 0.21 ± 0.05 | 1.3 ± 0.2 |
|  | 16.0 ± 2.0 | 1.9 ± 0.2 |
| PI | 9.0 ± 1.0 | 12.0 ± 2.0 |
|  | 170.0 ± 50.0 | 15.0 ± 2.0 |
| PO | 6.0 ± 0.5 | 4.0 ± 0.3 |
|  | 100.0 ± 20.0 | 6.0 ± 1.0 |
| PDMS | 90.0 ± 20.0 | 170.0 ± 20.0 |
|  | 1300.0 ± 200.0 | 110.0 ± 10.0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Material | Permeability coefficient Pa [Barrer] | | | |
|  | N2 | O2 | CH4 | CO2 |
| Poly[1-(trimethylsilyl)-1-propyne] | 4970 | 7730 | 13000 | 28000 |
| Poly(dimethylsiloxane) (PDMS) | 351 | 781 | 1430 | 4550 |
| Poly(dimethyl silmethylene) | 35.9 | 91.0 | 150 | 520 |
| Poly(*cis*-isoprene) (PI) | 14.5 | 37.5 | 47.4 | 191 |
| Poly(butadiene-styrene) | 10.3 | 32.9 | 34.2 | 171 |