



# Supplementary Materials: Temperature and Pressure Dependence of Gas Permeation in a Microporous Tröger's Base Polymer

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**Table S1.** Gas permeability coefficients of N<sub>2</sub>, CO<sub>2</sub>, H<sub>2</sub> and CH<sub>4</sub> for temperatures between 30 °C and 200 °C and pressure between 1 bar and 20 bar.

CO <sub>2</sub>	Perm (Barrer)			
	30°C	50°C	100°C	200°C
1 bar	5862	4745	3088	1717
10 bar	7305	5909	3841	2132
20 bar	4819	3959	2656	1540
N <sub>2</sub>	Perm (Barrer)			
	30°C	50°C	100°C	200°C
1 bar	268	331	508	913
10 bar	234	305	525	1101
20 bar	226	296	510	1073
H <sub>2</sub>	Perm (Barrer)			
	30°C	50°C	100°C	200°C
1 bar	5158	5229	5377	5587
10 bar	4714	4761	4859	4995
20 bar	-	-	-	-
CH <sub>4</sub>	Perm (Barrer)			
	30°C	50°C	100°C	200°C
1 bar	380	525	1012	2481
10 bar	375	499	891	1968
20 bar	363	488	890	2023