Microporous orgnic polymers synthesized by self-condenstaion of monofunctional monomer

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Fig. S1 FT-IR spectra of BDM monomer and its corresponding polymer HCP-BDM.



Fig. S2 FT-IR spectra of BA monomer and its corresponding polymer HCP-BA.



Fig. S3 SEM image of HCP-BDM



Fig. S4 SEM image of HCP-BA







Fig. S6 TGA profile of HCP-BA.



Fig. S7 CO₂ adsorption (solid) and desorption (open) isotherm of HCP-BC and HCP-BA.





Fig. S8 Gas uptake capacities for HCP-BDM and HCP-BA at 273 and 298 K.





Fig. S9 Adsorption selectivity of CO₂ over N₂ for HCP-BDM and HCP-BA from initial slope calculations.

	Carbon	Hydrogen	Oxygen
BDM	69.54	7.30	23.16
HCP-BDM	78.32	5.06	12.08
BA	77.75	7.46	14.80
HCP-BA	86.02	4.93	3.09
HCP-BC	87.35	5.14	-

Table S1. Elemental analysis for the monomers and the corresponding polymers (wt%)