

Supplementary data

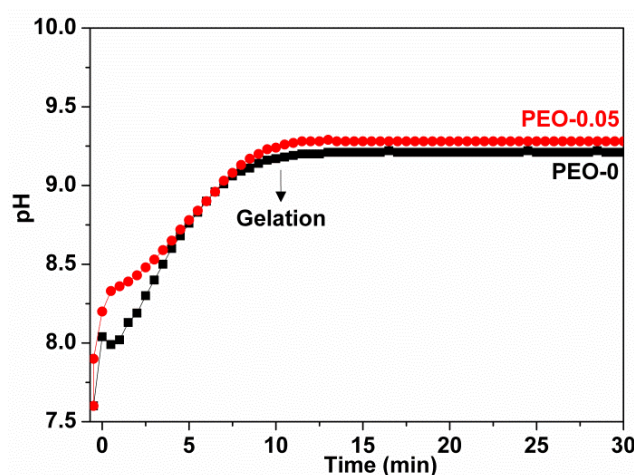


Fig. S1 Thermogravimetric analysis of PEO, the gel-rich phase, and the solvent-rich phase.

Table S1 Crystallite size and surface area estimated by the average crystallite size and determined from nitrogen adsorption-desorption isotherms of Al_2O_3 samples prepared with different nominal volumes of PEO (V_{PEO}).

Al_2O_3	Crystallite size (111) crystal plane (nm)	S from the Crystallite size ($\text{m}^2 \text{g}^{-1}$)	$S_{\text{BET}} \text{N}_2$ physisorption ($\text{m}^2 \text{g}^{-1}$)
PEO-0	3.6	454	435
PEO-0.001	3.8	430	427
PEO-0.01	3.7	442	532
PEO-0.03	3.5	476	629
PEO-0.05	3.4	609	675