# Supporting Information

## Homogeneous crystallization and local dynamics of poly(ethylene oxide) (PEO) confined to nanoporous alumina

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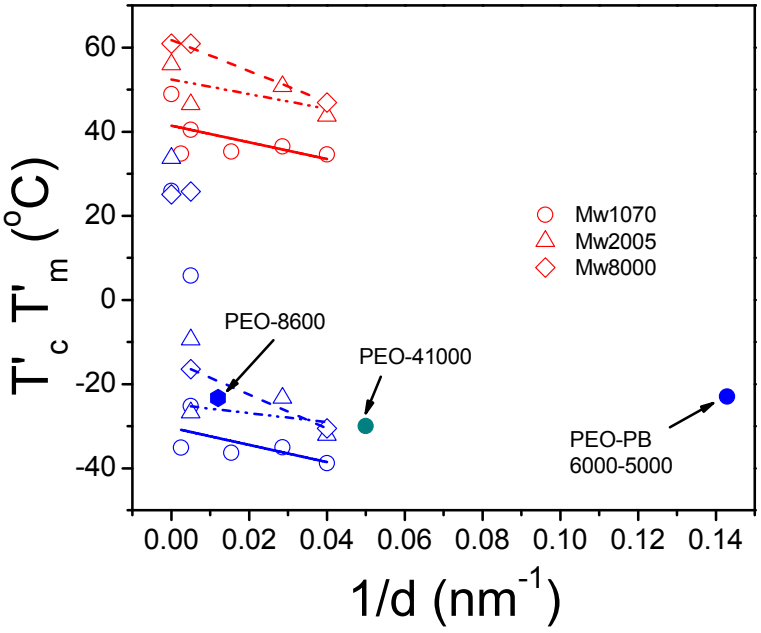


**Fig. S1.** Apparent melting (red symbols) and crystallization (blue symbols) temperatures of PEOs inside self-ordered AAO as a function of inverse pore diameter (obtained at a heating/cooling rate of 10 K/min); (circles): PEO-1070, (triangles): PEO-2005, (rhombi): PEO-8230. The figure includes data from PEOs crystallized within miniemulsions (PEO-8600 and PEO-41000) [20] as well as within the nanodomains of PEO-*b*-PB diblock copolymers [6].

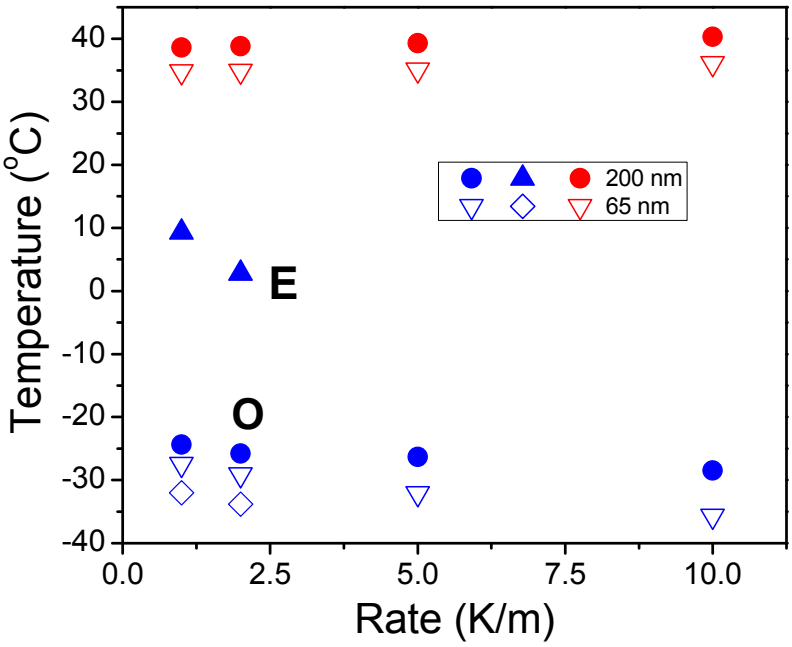


**Fig. S2**. Rate dependence of the PEO-1070 crystallization within self-ordered AAO with pore diameters of 200 and 65 nm on cooling (blue symbols) and subsequent heating (red symbols). The letters **E**, **O** stand for crystallization initiated by heterogeneous and homogeneous nuclei, respectively.