

Supplementary Information

Synthesis and Properties Poly(arylene ether sulfone)s with Pendant Hyper-Sulfonic Acid

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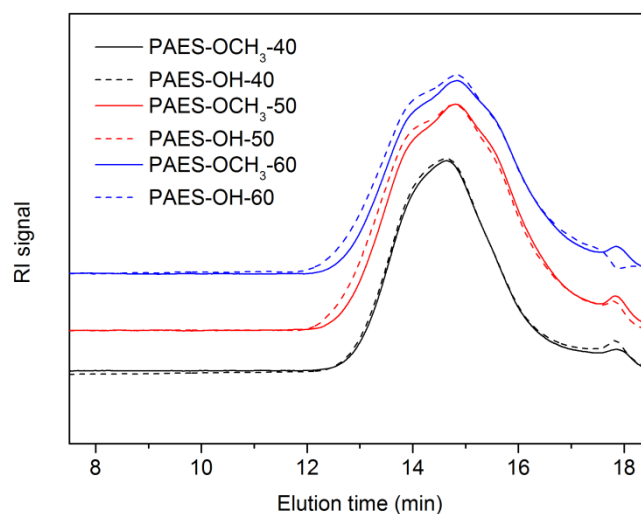


Figure S1. GPC profile of polymer precursors.

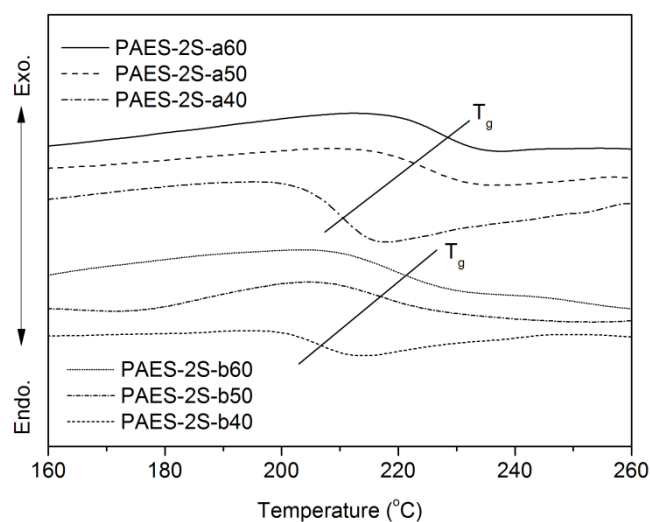


Figure S2. DSC curves of disulfonated polymers

Table S1. Molecular weight of polymer precursors.

	M_n ($\times 10$ kDa)	M_w ($\times 10$ kDa)	PD
PAES-OCH ₃ -40	11.8	21.9	1.87
PAES-OH-40	12.1	22.8	1.88
PAES-OCH ₃ -50	9.83	22.3	2.26
PAES-OH-50	10.1	25.6	2.53
PAES-OCH ₃ -60	9.48	21.5	2.27
PAES-OH-60	10.2	24.1	2.36