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## Abstract

Imidazolium-functionalized octaphenyl polyhedral oligomeric silsesquioxane nanoparticles were incorporated into imidazolium-functionalized poly(ether ether ketone) (ImPEEK) to fabricate high-performance anion exchange membranes with tuneable microphase separation structures and efficient ion transport channels.

High-resolution transmission electron microscopy observations revealed the

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