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Effect of Halides on the Solvation of Poly(Ethylene Oxide) in the Ionic Liquid Propylammonium Nitrate

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PEO – Poly(ethylene oxide)

PIL – Protic Ionic Liquid

AIL – Aprotic Ionic Liquid

SIL – Solvate Ionic Liquid

SANS – Small Angle Neutron Scattering

EAN – Ethylammonium nitrate

PAN – Propylammonium nitrate

PACl – Propylammonium Chloride

PABr – Propylammonium Bromide

$R_g$  – Radius of Gyration

MW – Molecular Weight

$\nu$  – Flory Exponent

$c^*$  - Crossover concentration

QM/MD – Quantum mechanical molecular dynamics

$A_2$  – Second virial coefficient

$\xi$  – Correlation length

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