

# Accepted Manuscript

Tacticity effect on the upper critical solution temperature behavior of Poly(*N*-isopropylacrylamide) in an imidazolium ionic liquid

Chandra Sekhar Biswas, Florian J. Stadler, Zhi-Chao Yan



PII: S0032-3861(18)30819-X

DOI: [10.1016/j.polymer.2018.08.073](https://doi.org/10.1016/j.polymer.2018.08.073)

Reference: JPOL 20880

To appear in: *Polymer*

Received Date: 28 June 2018

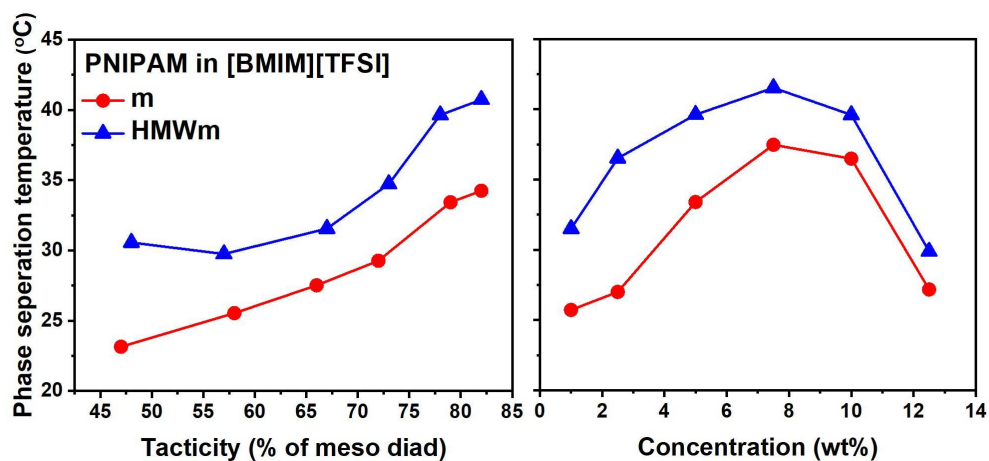
Revised Date: 15 August 2018

Accepted Date: 29 August 2018

Please cite this article as: Biswas CS, Stadler FJ, Yan Z-C, Tacticity effect on the upper critical solution temperature behavior of Poly(*N*-isopropylacrylamide) in an imidazolium ionic liquid, *Polymer* (2018), doi: 10.1016/j.polymer.2018.08.073.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Graphical abstract:



Caption:

Left: The phase separation temperature as a function of tacticity for 5% PNIPAM in [BMIM][TFSI] solutions.

Right: The phase diagram for PNIPAM with 78~79% meso-diad content in [BMIM][TFSI] solutions.

Codes: *m* represents PNIPAMs with molecular weight of 34900~43600 g/mol, while *HMWm* represents PNIPAMs with molecular weight of 60200~85700 g/mol.

Download English Version:

<https://daneshyari.com/en/article/11027055>

Download Persian Version:

<https://daneshyari.com/article/11027055>

[Daneshyari.com](https://daneshyari.com)