

Volume 7

Phase Partition of Acrylonitrile (AN) in Vinylidene Chloride (VDC)/Water System and Its Effect on VDC-AN Copolymer Composition

周树学, 翁志学, 黄志明, 潘祖仁

Institute of Polymer Science and Engineering, Zhejiang Univeristy, Hangzhou 310027, China

收稿日期 1998-10-14 修回日期 网络版发布日期 接受日期 1999-3-31

摘要 phase partition of acrylnitrile in the vnylidene chloride/water system at different temperature and under pressure was studied, A calculation method for average VDC-AN copolymer compeetion with AN phmm partition considered was proposed. The conversion results are in good agreement with the experimental data nearly the entire conversion raugue. VDC-AN copolymer with narrower composition distribution can be prepared in the suspension process and interpreted with dynamic equilibrium of AN between the oil and water phases continuously.

关键词 [相分配法](#) [丙烯腈](#) [偏氯乙烯/水体系](#) [VDC-AN共聚物](#) [聚丙烯腈](#) [聚偏氯乙烯](#)

分类号

DOI:

Phase Partition of Acrylonitrile (AN) in Vinylidene Chloride (VDC)/Water System and Its Effect on VDC-AN Copolymer Composition

ZHOU Shuxue, WENG Zhixue, HUANG Zhiming, PAN Zuren

Institute of Polymer Science and Engineering, Zhejiang Univeristy, Hangzhou 310027, China

Received 1998-10-14 Revised Online Accepted 1999-3-31

Abstract phase partition of acrylnitrile in the vnylidene chloride/water system at different temperature and under pressure was studied, A calculation method for average VDC-AN copolymer compeetion with AN phmm partition considered was proposed. The conversion results are in good agreement with the experimental data nearly the entire conversion raugue. VDC-AN copolymer with narrower composition distribution can be prepared in the suspension process and interpreted with dynamic equilibrium of AN between the oil and water phases continuously.

Key words

[vinylidene chloride](#); [acrylonitrile](#); [suspension copolymerization](#); [phase partition](#); [copolymer composition](#)

通讯作者:

周树学

作者个人主页: [周树学](#); [翁志学](#); [黄志明](#); [潘祖仁](#)

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF \(1498KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [引用本文](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ [本刊中 包含“相分配法”的 相关文章](#)

▶ 本文作者相关文章

· [周树学](#)

· [翁志学](#)

· [黄志明](#)

· [潘祖仁](#)