

Polymer Science

Reports from BCAM Add New Data to Research in Polymer Science

2012 APR 13 -- According to the authors of recent research from Derio, Spain, "Modification of the polymerpolymer interfacial tension is a way to tailor-make particle morphology of waterborne polymerpolymer hybrids. This allows achieving a broader spectrum of application properties and maximizing the synergy of the positive properties of both polymers, avoiding their drawbacks." "In situ formation of graft copolymer during polymerization is an efficient way to modify the polymerpolymer interfacial tension. Currently, no dynamic model is available for polymerpolymer hybrids in which a graft copolymer is generated during polymerization," wrote E. Akhmatskaya and colleagues, BCAM. The researchers concluded: "In this article, a novel model based on stochastic dynamics is developed for predicting the dynamics of the development of particle morphology for composite waterborne systems in which a graft copolymer is produced in situ during the process." Akhmatskaya and colleagues published their study in the *Journal of Polymer Science Part A-Polymer Chemistry* (Dynamic modeling of the morphology of latex particles with in situ formation of graft copolymer. *Journal of Polymer Science Part A-Polymer Chemistry*, 2012;50(7):1383-1393). For additional information, contact E. Akhmatskaya, BCAM, E-48160 Derio, Spain. Publisher contact information for the *Journal of Polymer Science Part A-Polymer Chemistry* is: Wiley-Blackwell, Commerce Place, 350 Main St, Malden 02148, MA, USA. Keywords: City:Derio, Country:Spain, Region:Europe, Chemicals This article was prepared by Science Letter editors from staff and other reports. Copyright 2012, Science Letter via NewsRx.com.

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