

عنوان مقاله:

Synthesis micron size monodisperse golf ball-like nonspherical particles via seeded dispersion polymerization

محل انتشار:

کنفرانس بین المللی پژوهش در علوم و مهندسی (سال: 1395)

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خلاصه مقاله:

In this study by seeded dispersion polymerization (SDP) of 2-ethylhexyl methacrylate (EHMA) with PMMA seed beads in the presence of saturated hydrocarbon droplets and evaporation of the hydrocarbon after the polymerization micron size and monodisperse golf ball-like poly(methyl methacrylate) (PMMA) particles were produced. The effect of reaction conditions (e.g. polarity of the medium) on the shape and stability of the produced particles was investigated. It was revealed that the number and size of the dents on the surface of the golf ball-like particles could be ..manipulated easily with a simple change the polarity of the medium

کلمات کلیدی:

Nonspherical particles, Seeded dispersion polymerization, Golf ball-like, Morphology, Time course analysis

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