

## عنوان مقاله:

Morphological aspects of Hexadecane Microcapsules based on rigid and flexible shells

## محل انتشار:

دوازدهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1395)

تعداد صفحات اصل مقاله: 3

## نویسندگان:

Somayeh Lashgari - Iran Polymer & Petrochemical Institute, Tehran, Iran

Hassan Arabi - Iran Polymer & Petrochemical Institute, Tehran, Iran

Ali Reza Mahdavian - Iran Polymer & Petrochemical Institute, Tehran, Iran

Veronica Ambrogio - Department of Chemical, Materials and Production Engineering, University of Naples Federico II  
,P.le Tecchio 80, 80125, Napoli, Italy

## خلاصه مقاله:

In this study, hexadecane microcapsules with PMMA and poly (MMA-co-BA) shell were synthesized by suspension polymerization. The effect of BA composition of shell on final properties of microcapsules in terms of morphology was studied. Kinetics and the thermodynamic studies were applied to predict the final morphology of MEPCM. To this aim, interfacial tension analysis were performed, and the results of morphology prediction were affirmed by SEM. SEM results revealed changing of morphology by increasing BA content. Multi nucleus morphology was observed for PMMA microcapsules as well as matrix type morphology for samples owing high BA content

## کلمات کلیدی:

PMMA, Butyl acrylate, suspension polymerization, PCM, morphology

## لینک ثابت مقاله در پایگاه سیویلیکا:

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