

## عنوان مقاله:

Studied Semi-batch and batch wise Effect on Characterization of Poly(acrylic acid) Containing long-ChainA crosslinker

## محل انتشار:

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

In this Study, two types of polymerization processes are used; batch and semi-batch. Sampeles were prepared by using long-chain acrylate crosslinker and acrylic acid monomer via precipitation polymerization. The effect of batch and semi-batch process on different features of microgel (i.e., equilibrium swelling, gel content, and apparent viscosity) was investigated. This result shows that the type of process affects very strongly on the formation of cross-links in network and network properties. Since, the apparent viscosity of PAA-PE-550 by semi-batch process was highest .even though the viscosity of PAA-PE-550 by batch process was least

## کلمات کلیدی:

Semi-batch, batch ways, Poly acrylic acid, Precipitation presipitation, long chain acrylate crosslinker

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/341308>

