

عنوان مقاله:

Synthesis and characterization of Poly(allyl tetrasodium thiacalix[4]arene tetrasulfonate-acrylic acid) Hydrogels

محل انتشار:

یازدهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1393)

تعداد صفحات اصل مقاله: 3

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خلاصه مقاله:

gels (supercogels) based on acrylic acid (AA, 60-90 mol%) and allyl tetrasodium thiacalix[4]arene tetrasulfonate (ASTCA, 10-30 mol%) were prepared by solution polymerization in water. Methylene bisacrylamide and ammonium persulfate were used as crosslinker and initiator, respectively. Then, the synthesized gels were treatment with HCl to produce allyl thiacalix[4]arene tetrasulfonic acid-acrylic acid (ASTCAH). Thermal and mechanical properties of these copolymers were also studied. Glass transition temperature of the copolymer was increased with increase of the ASTCA. Thermal stability was improved with increasing of ASTCA content

کلمات کلیدی:

Organogel, alcogel, sulfonated monomer, calix[4]arene

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