

عنوان مقاله:

The visual foaming dynamics of St-MMA copolymers with different compositions

محل انتشار:

دهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1391)

تعداد صفحات اصل مقاله: 1

نویسندگان:

Hamid Reza Azimi - *Institute of Polymeric Materials, Polymer Engineering Department, Sahand University of Technology, P.O.Box 51335-1996, Tabriz, Iran*

Mostafa Rezaei - *Institute of Polymeric Materials, Polymer Engineering Department, Sahand University of Technology, P.O.Box 51335-1996, Tabriz, Iran*

Mostafa Salehi - *Institute of Polymeric Materials, Polymer Engineering Department, Sahand University of Technology, P.O.Box 51335-1996, Tabriz, Iran*

خلاصه مقاله:

Thermoplastic foam products have become very popular in recent years. In this foam, the porous structure is achieved using the expansion of a blowing agent dissolved in athermoplastic matrix through a thermodynamic instability [1- 4] In this study, we synthesized St-MMA copolymer particles in three compositions by suspension polymerization process to investigate the foaming dynamics via visual batch foaming apparatus and examine the effect of different foaming conditions, like temperature, impregnation pressure and MMA content in copolymer, on the foaming ratio of the synthesized copolymer. The cellular morphology also was investigated under different conditions (by scanning electron microscopy (SEM).

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/579377>

