

عنوان مقاله:

Effects of POSS Nanostructure on Morphology and Thermal Stability of Poly(vinyl alcohol)/POSS Nanocomposite

محل انتشار:

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

تعداد صفحات اصل مقاله: 2

نویسندگان:

Alireza Hassanjani Roushan - *Department of Chemistry, Faculty of Science, Islamic Azad University, Shahrood Branch, Shahrood, Iran*

Ahmad Motahari - *Faculty of Chemistry, University of Mazandaran, P. O. BOX 453, Babolsar, Iran*

Abdollah Omrani - *Faculty of Chemistry, University of Mazandaran, P. O. BOX 453, Babolsar, Iran*

خلاصه مقاله:

Semi-crystalline polymers consist of crystalline and amorphous domains have been extensively studied due to their practical applications. These kinds of polymers include polyethylene, polypropylene, polystyrene, polyamide, poly(ethylene terephthalate), poly(trimethylene terephthalate) and poly(vinyl alcohol) (PVA) [1]. Semi-crystalline polymer nanocomposites fabricate in order to improve the physical properties of pristine polymers. In recent years, Polyhedral oligomeric silsesquioxane (POSS) based materials have been studied widely. POSS can be effectively incorporated into polymers by copolymerization, grafting or even blending through traditional processing methods [2,3

کلمات کلیدی:

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