

عنوان مقاله:

Effect of reactive diluents on viscoelastic behavior of epoxy acrylate/nanoclay nanocomposites

محل انتشار:

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

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خلاصه مقاله:

In this study an epoxy acrylate resin was synthesized using epoxy 828 and acrylic acid. 3 w/w% of cloisite 15A was added to formulation to improve its properties. Then the effect of different reactive diluents such as hydroxylethyl methacrylate (HEMA), hexanediol diacrylate (HDDA) and trimethylolpropane triacrylate (TMPTA) on viscoelastic properties of cured nanocomposites was investigated using DMTA analysis and the obtained results of storage modulus (E), loss modulus (E) and $\tan\delta$ of the films were evaluated

کلمات کلیدی:

UV-curing - viscoelastic behavior – epoxy acrylate resin – Nano cloisite 15A

لینک ثابت مقاله در پایگاه سیویلیکا:

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