

عنوان مقاله:

Shrinkage strain and conversion in thiol-ene systems for dental resins

محل انتشار:

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

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خلاصه مقاله:

Methacrylate-based composite restorative materials have several drawbacks. Significant shrinkage, early gelation, and residual unreacted monomers due to low conversion are the most of them (1). Recently, thiol-ene systems have been developed due to their inherent advantages. Step-growth radical polymerization results in reduced volume shrinkage and delayed gelation and finally reductions in shrinkage stress (2,3). In this study, the effect of thiol-methacrylate ratio on the shrinkage strain and polymerization conversion of an experimental dental resin is evaluated

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