

FTIR spectroscopy of conformational probes introduced into fullerene-containing branched poly (methyl methacrylate)

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Abstract

In this paper we consider the effect of fullerene on the local molecular dynamics of the branched poly (methylnmethacrylates). The temperatures of the secondary relaxation transitions were determined by FTIR spectra. It was shown that there is the secondary relaxation transition at 190 K in copolymer containing C60, while there are the relaxation transitions at 230 and 190 K in same copolymer without fullerene.

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