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Thermal destruction of polyamidobenzymidazoles

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Abstract

Regularities of destructive processes in polyamidobenzymidazoles depending on the structure of elementary unit of polymer and proportion of initial monomers have been considered. Data of thermographic experiment, IR spectroscopy, chromatographic analysis of the gases evolved and study of kinetics have shown that thermal destruction of polymers passes the stage of cross-linking of macromolecular chain.