

Thermal degradation of chalcogenides containing poly(methacrylates)

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Abstract

Thermogravimetric analysis of aromatic poly(methacrylates) containing heterocyclic side chains were carried out. The effect of the substituent introduced into the side chain on the thermal stability of the polymer was investigated. The kinetic parameters of thermal degradation process were analysed. Different thermogravimetric profiles were obtained depending on the structure of the side chain of the polymer.

Keywords Polymer, Physical Chemistry, Inorganic Chemistry, Thermal Stability, Kinetic Parameter