

Abstract Submitted
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On-line Monitoring of Ultrasonic Polymer Chain Scission ALI AKYÜZ, AHMET GİZ, HUCESTE ÇATALGİL-GİZ, Istanbul Technical University — Poly vinyl pyrrolidone in dilute aqueous solution was subjected to ultrasonic scission. The decrease of the molecular weight was monitored by light scattering via a BIMwA molecular weight analyzer. The on-line data was compared with the theoretical models of Schmid, Malhorta, Price, Madras and Berlin, Doulah,. The models were compared on the bases of χ^2 analysis and fit quality. It is seen that on-line data can discriminate among theoretical models.

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