

ABSTRACTS

was also believed to be vinylaceto- $\beta$ -lactone, although the assignments of the five strong bands in the doublebond region still remain in question.

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**Stereoblock Polymer of Acetaldehyde**

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A stereoblock polyacetaldehyde consisting of amorphous and crystalline blocks was prepared by alumina which was modified by treatment with diethylzinc. The stereoblock polymer is less elastic than the amorphous one and its solubility lies between those of the amorphous polymer and of the crystalline one.

Stereoblock polymer was confirmed by comparing its infrared spectrum with those of the fractions obtained by the same procedure of separation of the mixture (1:1) of crystalline and amorphous polymers.