

QUASICONFORMAL MAPPING
STUDY OF THE TEMPERATURE FIELD
IN ANISOTROPIC FLEXIBLE-CHAIN POLYMERS

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S u m m a r y

Temperature distribution in polyvinyl chloride (PVC) has been calculated and analyzed. The calculations were carried out using the method of conformal and quasiconformal mappings applied to anisotropic specimens confined by a thermal flow that is oriented with respect to the temperature gradient. A feedback effect of the thermal transfer on the medium characteristics has been taken into account. The results obtained are in good agreement with experimental data.