

## REFERENCES

1. A. ROVIELLO and A. SIRIGU, *Europ. Polymer J.* **15**: 61, 1979
2. A. ROVIELLO, S. SUNTAGATA and A. SIRIGU, *Makromolek. Chem. Rapid Commun.* **B4**: 281, 1983
3. P. IANELLI, A. ROVIELLO and A. SIRIGU, *Europ. Polymer J.* **18**: 745, 1982
4. P. IANELLI, A. ROVIELLO and A. SIRIGU, *Europ. Polymer J.* **18**: 753, 1982
5. N. KOIDE, R. OHTA and K. HIMURA, *Polymer J.* **16**: 505, 1984
6. A. Yu. BILIBIN, E. E. PASHKOVSKY, A. V. TENKOVTSSEV and S. S. SKOROKHODOV, *Macromolec. Chem. Rapid Commun.* **B6**: 545, 1985
7. S. Y. HOBBS and F. W. BILLMEYER, *J. Polymer Sci. A-2*, **8**: 1387, 1970
8. S. Y. HOBBS and F. W. BILLMEYER, *J. Polymer Sci. A-2*, **8**: 1395, 1970
9. W. R. KRIGBAUM, R. KOTEK, T. ISHIKAWA, H. TORIUMI and J. PRESTON, *Europ. Polymer J.* **20**: 225, 1984
10. F. BROCHARD, *C.r. Acad. Sci.* **B289**: 13, 289, 1979
11. A. DUBAULT, C. CASAGRANDE and M. VEYSSIE, *Molec. Cryst. Liquid Cryst. Letters* **72**: 7/8, 189, 1982
12. E. HELFAND and J. I. LAURITZEN, *Macromolecules* **6**: 631, 1973
13. A. Yu. BILIBIN, A. V. TENKOVTSSEV, O. N. PIRANER, E. E. PASHKOVSKY and S. S. SKOROKHODOV, *Macromolec. Chem.* **186**: 1575, 1985
14. A. S. SONIN, *Vvedeniye v fiziku zhidkikh kristallov* (Introduction into Physics of Liquid Crystals), p. 69, Moscow, 1983
15. P. J. DE GENNES, *Polymer Liquid Crystals* (Eds. A. Ciferri, W. R. Krigbaum and R. B. Meyer) p. 115, New York, 1982
16. A. E. TONELLI, *J. Chem. Phys.* **52**: 49, 1970
17. Ye. E. PASHKOVSKII, *Dis. kand. fiz. mat. nauk.* Leningrad, IVS AN SSSR, 1985
18. N. S. Kholmuradov, *Dis. kand. fiz. mat. nauk.* Leningrad, IVS SN SSSR, 1984

## PHASE HETEROGENEITY OF ACETONE SOLUTIONS OF CELLULOSE NITRATE\*

G. G. PIMENOV, N. KH. NURIYEV, N. M. FILIPPOVA,  
A. A. CHICHIROV and YU. M. KARGIN

V. I. Ul'yanov-Lenin State University, Kazan

(Received 17 June 1986)

NMR and turbidity points were used to study temperature transitions in concentrated solutions of CN with a nitrogen content of 13.5 and 14.01%. Turbidity curves show two regions where light scattering changes suddenly. The critical concentration, above which these transi-

\* *Vysokomol. soyed.* **A29**: No. 12, 2549-2552, 1987.