

VISCOSITY OF LIQUID
CRYSTAL OF PENTYLCYANBIPHENYL
CLOSE TO THE POINT OF THE NEMATIC -
DIELECTRIC LIQUID PHASE TRANSITION

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S u m m a r y

Experimental investigations of the temperature dependence of kinematic viscosity are conducted for a liquid crystal pentylcyanbiphenyl (5CB) in a wide temperature range which includes the region close to the point of the nematic - isotropic liquid phase transition. It is shown that viscosity of the object is determined by the regular and fluctuation parts. The latter is connected with correlation properties of the substance near the point of the phase transition.