

THE EFFECTIVE ROTATIONAL VISCOSITY CONSTANT TEMPERATURE DEPENDENCE IN THE TETRAPALLADIUM ORGANYL (TPO)–PENTADECANE SYSTEM

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Temperature dependence the ratio $\tilde{\gamma}$ of nematic phase of calamitic in the TPO–pentadecane system has been experimentally determined. The samples for the investigation were prepared according to the method described in [1]. TPO concentration in solution was 45 mass. %. At this concentration the nematic phase exists in temperature of 47÷76 °C. The data on ratio $\tilde{\gamma}$ were derived from temperature dependence of the nematic relaxation time. The methods of measuring and experimental data development presented in [1]. The results of the research are presented on the plot.

References

(1) A. Golovanov, A. Gajdadin, G. Ryabcyuk *Crystallography*, 2008, V. 53, №4, p. 733

$\tilde{\gamma}, 10^2 \Pi$

