

**DYNAMICS OF MOLECULES IN THE SYSTEM  
“POLYVINYLCHLORIDE + PROPYLENE CARBONATE + SALT”**

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Dynamical processes in polyvinyl chloride systems with contents of 20 % pure propylene carbonate and  $\text{LiClO}_4$  solution in propylene carbonate were studied by means of the slow neutron quasi-elastic scattering method. It is found that in a salt solution compared to a pure propylene carbonate the contribution  $D_F$  from single particle motions in the total diffusion coefficient does not alter, while contribution  $D_L$  ensured by the motion of Lagrange particles grows considerably. Possible version of the charge transfer mechanism in the system “polyvinylchloride + propylene carbonate + salt” is proposed.