

PROPERTIES OF WALL-ADJACENT EPITROPIC
LIQUID CRYSTALLINE LAYERS

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S u m m a r y

A two-component theoretical model of orientational ordering in wall-adjacent layers of a nonmesogenic liquid (consisting of monomers and dimers) with anisotropic intermolecular interaction has been developed. In the framework of the model, a number of experimental results such as the isotherms of disjoining pressure and some peculiarities in the behavior of heat capacity and dielectric permittivity of the liquid interlayers have been explained.