

## **Temperature Dependence Of The Dielectric Susceptibility Close To The Smectic A-Isotropic Liquid Transition For The Racemic DOBAMBC.**

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The experimental data is analyzed for the dielectric susceptibility of the racemic DOBAMBC close to the smectic A-isotropic liquid transition ( $T_C = 82^0$  C) using a power-law formula. The values of the critical exponent  $\gamma$  for the dielectric susceptibility  $\chi$  are extracted above  $T_C$  and they are compared with the expected values of the models studied for the liquid crystals.