

Dynamic and structural properties of oxyethylated isononylphenols

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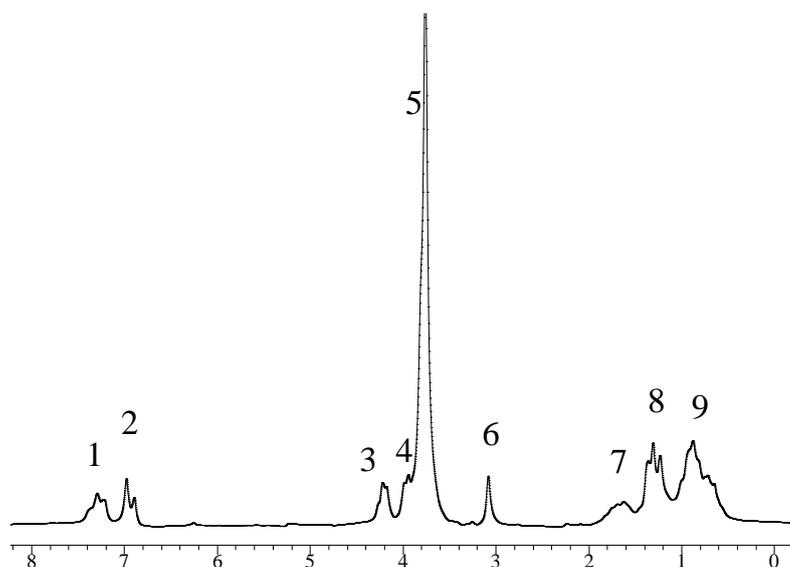
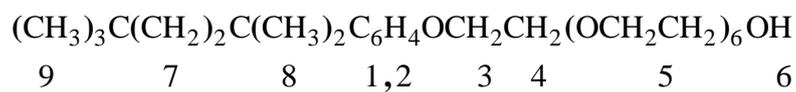


Figure S1 Spectrum ^1H NMR of neonol AF9-6 in a solution of CDCl_3 .

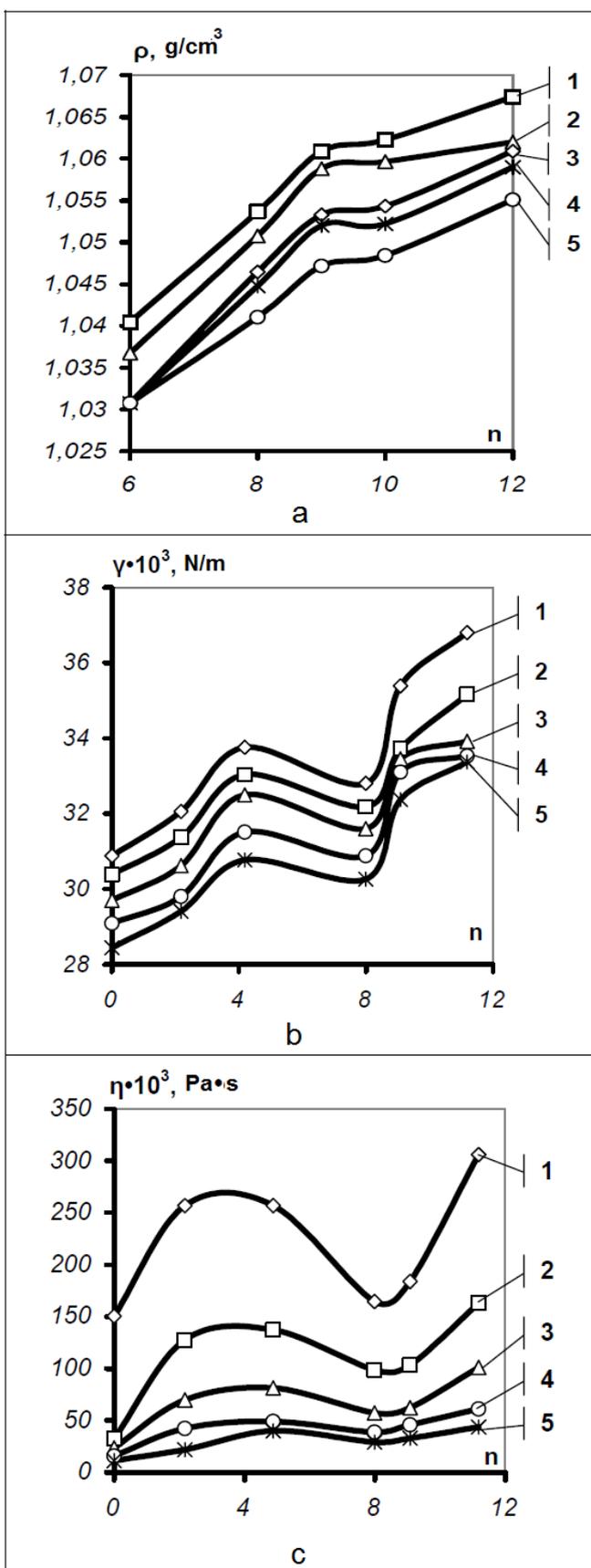


Figure S2 Dependences of density (a), surface tension (b) and viscosity (c) of neonols as a function of the number of oxyethylene groups, n , at temperatures 1 - $T = 25$ °C; 2 - $T = 35$ °C; 3 - $T = 45$ °C; 4 - $T = 55$ °C; 5 - $T = 65$ °C. Reproduced from [8] with kind permission of authors.

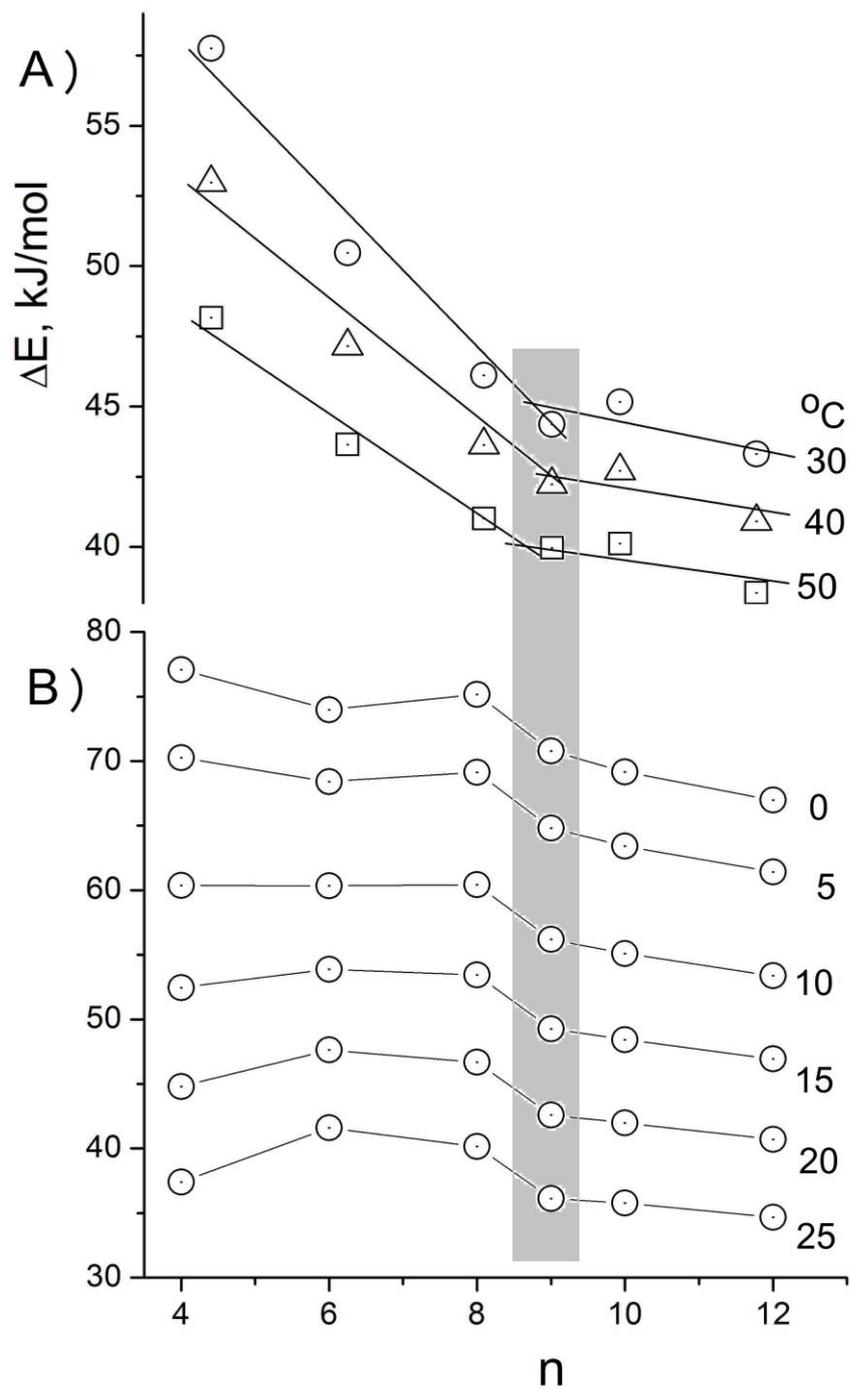


Figure S3 Energies of activation: A) for diffusion and B) for the dielectric relaxation time of neonol molecules AF9-4, AF9-6, AF9-8, AF9-9, AF9-10, and AF9-12 as a function of the number of oxyethylene groups, n , at indicated temperatures.

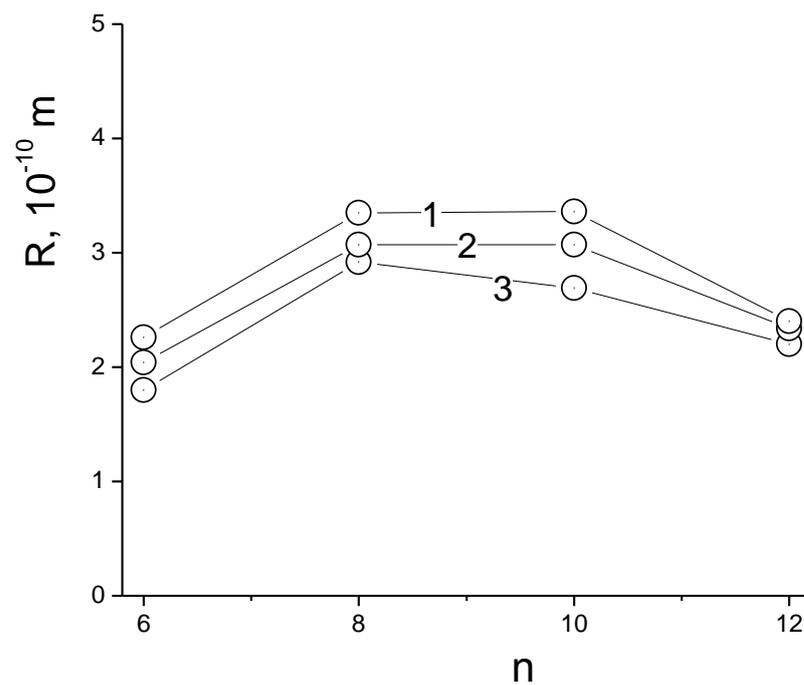


Figure S4 Hydrodynamic radii of neonol molecules at temperatures: 1 - 35, 2 – 55, 3 – 65 °C. n is the number of oxyethylene groups in the molecule.