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(57) Abstract :

The present invention relates to that the experimental values of density, viscosity and ultrasonic velocity of polyvinylchloride in dimethylformamide is measured at different concentration and temperatures at 1 MHz frequency. Using these data different acoustical parameters have been calculated to understand molecular interactions between solute and solvent. The study helps to understand the polymer and solvent interaction and the effect of concentration and temperature on various parameters have been discussed.

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