

Liquid mixtures of chlorobenzene and 2-chlorotoluene. A system close to ideality.

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Streszczenie

The densities and sound speeds in the title system have been measured between 288.15 and 308.15 K in the whole concentration range. Additionally, refractive indices have been measured at 298.15 K. The results are interpreted in terms of deviations from the ideal values. It was found that this system is very close to ideality, much closer than such systems like mixtures of non-substituted hydrocarbons. The results allow to propose the mixtures of chlorobenzene with 2-chlorotoluene as a model system for testing different models of liquid mixtures for their ideality.

Słowa kluczowe

Speed of sound, Density, Molar volume, compressibility, Refraction coefficient, Liquid mixtures, Additivity, Ideality

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