

Dielectric Spectroscopy of (bis)Thiourea Pyridinium Bromide

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Policrystalline (bis)thiourea pyridinium bromide has been studied with dielectric spectroscopy and DSC method. New information about phase transitions in (bis)thiourea pyridinium bromide has been obtained and discussed. Two solid–solid phase transitions (at $T_2 = 150$ K – first order transition of order–disorder type, and $T_1 = 180$ K – second order) have been revealed. A change of the ion dynamics is observed at T_2 .

Key words: Dielectric Spectroscopy; Inclusion Compounds; Thiourea; DSC Calorimetry; Pyridinium Salts.