

# A Physical Model of Molten Salt Data

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Molten alkali halides can be regarded as model ionic systems. Physical properties of molten alkali halides and their mixtures depending on molar volume and temperature are considered. The properties under examination are divided into two groups: cation-dependent and anion-dependent ones. The character of property changes with temperature and molar volume is different for these groups.

*Key words:* Molten Salts; Electrical Conductivity; Thermal Conductivity; Surface Tension; Molar Volume.