

THE MISCIBILITY GAP REGION AND
PROPERTIES OF LIQUID TERNARY
Tl-Se-Te ALLOYS

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S u m m a r y

Electroconductivity measurements are performed for liquid immiscible $\text{Tl}_{0,80}(\text{Se}_x\text{Te}_{1-x})_{0,20}$ alloys in a wide temperature range under ambient pressures of the argon gas (up to 50 MPa). Electroconductivity shows the same behaviour as that for binary liquid alloys during the mixing-demixing process. It is revealed that a variation of the Se to Te ratio at a constant content of Tl changes the properties of coexisting liquids and affects the temperature of phase separation. The results are analyzed in comparison with available data for binary immiscible Tl-Se and Tl-Te alloys, and a possible influence of the ion-subsystem on formation of the critical point parameters is discussed.