

Physicochemical Properties of SnZn Eutectic with addition Al, Ag and Li

Janusz Pstruś^{C, S}, Tomasz Gancarz and Katarzyna Berent
Institute of Metallurgy and Materials Science, Polish Academy of Sciences, Krakow, Poland
pstrus.j@imim.pl

Surface tension and density of liquid has been studied as a function of composition and temperature. Melting temperature was determined by DSC. Linear thermal expansion and electrical resistivity we studied. The effect of alloying additions of the tensile properties was determined. Microstructure of as-cast alloys was studied by means of scanning electron microscopy and phase composition by means of XRD.