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## Effect Of Precipitation Processes In AluminumAlloy 6101 T1Used In The Electric TransmissionLines

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**Abstract :** Many experiments are performed on aluminumalloy 6101 T1 to characterize the processes of precipitateovercoming by the dislocations. IT has been well known thatthe nuclei of metastable phases and composition fluctuation are found in an Al- MgSi alloy during the early stage of aging. The combined effects of high temperature and the cold drawing of this alloy caused a highest microhardness of the material accompanied by a development of a fibrous texture. The electrical resistivity of the alloy decrease with the increasing aging time.

Keywords: aging, dislocations, Aluminum alloy, Microhardness, Electrical resistivity