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Effect of artificial aging on the microstructure and mechanical properties of aluminum alloy AA6061-T6

ABSTRACT

The properties of aluminum alloy AA6061-T6 after aging at 220°C for 0.5 – 8 h are studied by the methods of light and scanning electron microscopy and fractography. The mechanical characteristics of the alloy are determined by tensile tests.

Keyword: Aluminum alloy; Precipitation hardening; Microstructure; Mechanical properties