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