

Change of Internal Friction on Aluminium Alloy with 10,1 % Mg Dependence on the Temperature

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The article is focused on the analysis changes dependence on the temperature on the aluminium alloy with 10,1% Mg, 1,32% Si and 0,43% Mn by internal friction. Internal friction is a property of the material is measured on the ultrasonic resonant apparatus at a frequency about $f = 20470$ Hz. The measured temperature range was from 50 °C up to 420 °C. Precisely measurement of the internal friction can be monitored ongoing structural changes and various mechanisms that prevent these changes.

Keywords: Internal Friction, Aluminium Alloy, Resonant Frequency, Temperature

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