

Effect of Low-Temperature Recovery Treatments on Subsequent Recrystallization in Al-2.5%Mg

Abstract

The effect of low temperature recovery treatments on the recrystallization kinetics during subsequent high temperature annealing was investigated in three Al-2.5%Mg alloys with various Fe additions. Recovery treatments were carried out at 190°C for times ranging from 0.25 to 65 hrs. Recrystallization treatments were carried out at 280°C. The kinetics of recrystallization was followed using the techniques of hardness measurement, optical metallography and calorimetry.

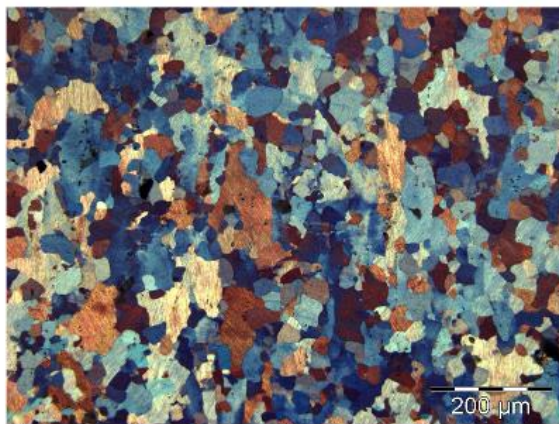


Figure 2(a): *Alloy B partially recrystallized.*

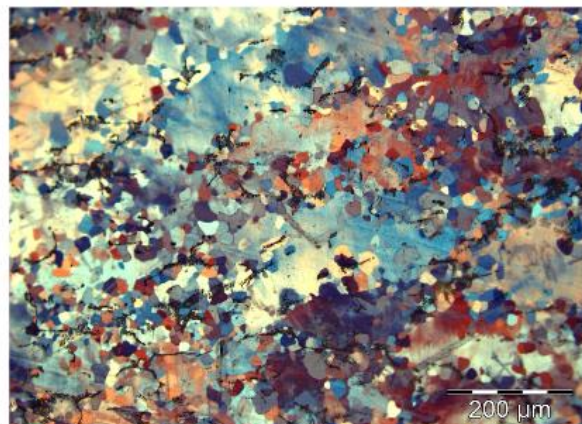


Figure 2(b): *Alloy C partially recrystallized.*