

Supporting Information

Effect of Solution Treatment Time on Microstructure

Evolution and Properties of Mg-3Y-4Nd-2Al Alloy

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The EDS results

As shown in Figure S1, the total amount of RE elements in the matrix of as-cast alloy is 0.25 at%, and the total amount of RE elements in the matrix after the solution treatment is 0.62 at%. Thus, the solid solute elements in the matrix increased after the solution treatment.

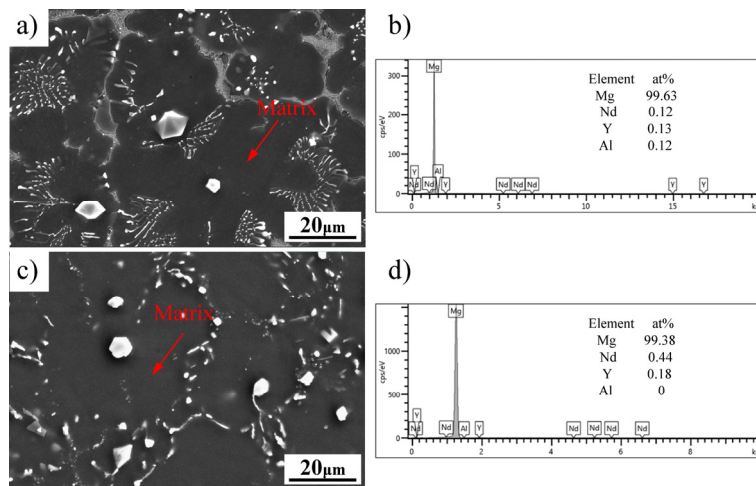


Figure S1. SEM and EDS results of α -Mg matrix, a) and b) as-cast alloy; c) and d) solution-treated alloy.