

Title (en)
NON-HEAT TREATED MAGNESIUM ALLOY SHEET WITH EXCELLENT FORMABILITY AT ROOM TEMPERATURE IN WHICH SEGREGATION IS MINIMIZED

Title (de)
UNBEHANDELTE MAGNESIUMLEGIERUNGSFOLIE MIT HERVORRAGENDER FORMBARKEIT BEI RAUMTEMPERATUR UND MINIMALER SEGREGATION

Title (fr)
FEUILLE D'ALLIAGE DE MAGNÉSIUM NON TRAITÉE THERMIQUEMENT AYANT UNE EXCELLENTE APTITUDE AU FAÇONNAGE À LA TEMPÉRATURE AMBIANTE DANS LAQUELLE UNE SÉGRÉGATION EST RENDUE MINIMALE

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Application
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Abstract (en)
Disclosed herein is a non-heat treatable magnesium alloy sheet, including: 1 #¼ 3 wt% of aluminum (Al); 0.5 #¼ 3 wt% of tin (Sn); and a balance of magnesium, wherein the maximum deviation of average Vickers hardness (Hv) thereof, caused by center segregation and inverse segregation, is 10 Hv or less. The non-heat treatable magnesium alloy sheet can remarkably reduce a cast defect such as center segregation, inverse segregation or the like by alloy component control, and has excellent formability compared to that of a conventional commercially available magnesium alloy sheet.

IPC 8 full level
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