

Influence of arc anodizing in diecast AZ91D

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Magnesium has some advantages as a structural material. For instance, it is lighter than aluminium and possesses high rigidity. The use of magnesium will bring great improvement in weight reduction. However, the use of magnesium and its alloys has been limited to a narrow range because of the poor formability. In the present study, the relations of the flow stress of the Mg-Al-Zn alloys to the arc anodizing voltage.