

Evaluation of Workability on Flame Resisting Magnesium Alloy

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Workability of flame resisting Magnesium alloy was evaluated by a tensile test at high temperature and an extrusion examination. In addition, we also tried to manufacture a hollow extruded structure, using flame resisting Magnesium alloys. Although, it was difficult to machine the structure at room temperature, the workability was increased with increasing work temperature and lowering processing speed. Under those conditions, it was found that the manufacture of flame resisting Magnesium alloys to the hollow extruded structures was possible without generation of any processing defects.