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Bonding magnesium alloy andpolymer applied by silane coupling and atmosphere pressure plasma

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In order to advance the development of innovative lightweight materials, it has been clarified the effects of heat treatment of magnesium alloys and silane coupling conditions on the bonding strength of the laminated Mg alloy/polymer material. Effects of silane coupling condition on bonding have been mainly discussed on laminated Mg alloy/polymer material.
It has been considered that the proposed research will contribute to the formation of an environmentally friendly manufacturing technology that can respond to the reduction of greenhouse gas emissions such as CO2.

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