

## عنوان مقاله:

the effects testing time and temperature of low vacuum diffusion welding on microstructure and mechanical properties of SiCp/A356Al MMC

## محل انتشار:

کنگره بین المللی جوش و روشهای اتصال (سال: 1388)

تعداد صفحات اصل مقاله: 5

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## خلاصه مقاله:

fusion welding brazing diffusion welding and friction welding could be used to weld the reinforced A1 MMC in fusion welding many problems may occur at the vicinity of welding where particularly at the heat affected zone . During the welding of aluminum an oxide film which covers the surface of A1 makes the welding difficult therefore vacuum diffusion bonding process is used for investigating joining characteristics of Sic particulate reinforced aluminum metal matrix composites A356/SICP-MMC metal matrix composites contain 10% SIC PARTICLES THE JOINING PERFORMances of the similar composites were studied and the influences of testing time and temperature on bonding quality and properties of the bonded joints were also estimated

## کلمات کلیدی:

aluminum metal matrix compositie ,reinforcement ,vacuum diffusion welding

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/163970>

