

## عنوان مقاله:

An Investigation of aluminum foam produced by sintering evaporation process

# محل انتشار:

دومين كنفرانس بين المللي آلومينيوم (سال: 1391)

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### خلاصه مقاله:

Aluminum foam has been manufactured successfully by sintering evaporation process. This process consisted of mixing Al and NaNO3 powders, pressing and final sintering to evaporate the filler material of NaNO3 powders. NaNO3 was eliminated completely during sintering, and strong metallurgical bonding in the cell walls was achieved. The morphology (pore size, shape, and direction) and the compressing deformation behavior of metal foams have been investigated. It was found that the maximum stress and the energy absorption of the cellular aluminum .increased with the using of NaNO3

کلمات کلیدی: Aluminum foam; sintering evaporation process; filler materials; NaNO3 powders

# لینک ثابت مقاله در پایگاه سیویلیکا:

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