

Investigations on Properties of SiC & B₄C Reinforced AA7017 Composites Manufactured Via Powder Metallurgy Method

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Abstract

This project aims to develop SiC & B₄C reinforced AA7017 composites with different weight percentages. The composites will be prepared through Powder Metallurgy route. The compositions of the composites are AA7017, AA7017-2%SiC-3% B₄C, AA7017-4%SiC-3% B₄C & AA7017-6%SiC-3% B₄C. After fabrication the composites will be subjected to mechanical testing's such as compressive strength and hardness.

Keywords: AA7017, SiC, B₄C, Mechanical Testing's