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EFFECT OF REINFORCEMENT MATEIALS IN ALUMINIUM METAL MATRIX COMPOSITES ON MECHANICAL PROPERTIES

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ABSTRACT

Aluminum alloy is an important alloy for using in different types of engineering applications. It is used mostly because of light in weight, low density, and high stiffness, low cost and easy availability. Aluminium alloy with Metal Matrix Compositions (MMC) increased its usefulness according to its uses in industry. Aluminium Metal matrix composites are used mostly in aerospace industry and automotive industry**.** The study of this paper is to discuss the technology of composites and its performance behavior on different composition of reinforcement materials. The addition of composition in Aluminum alloy MMC and its changed proportion affects the mechanical behavior of the aluminum alloy MMC.

KEYWORDS: Aluminium, Metal Matrix Compositions (MMC), Fabrication, Industry