



A Survey of Aluminium Metal Matrix Composites Using Powder Metallurgy Technique

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Abstract: - Aluminium metal matrix composites have gained importance in various industries because of their good mechanical properties. Aluminium metal matrix composites are preferred in the fields of aerospace, military, automotive, marine and in other domestic applications. The different reinforcements with aluminium metal matrix composites by powder metallurgy technique results in improved mechanical properties such as ultimate tensile strength, compressive strength, hardness, wear rate. Powder metallurgy is an ideal method of fabrication for MMCs because of the ability to produce near net shapes and little material waste associated with this process. In this survey an attempt has been made to consolidate some of the aspects of mechanical properties of Aluminium MMCs fabricated using Powder Metallurgy Technique.

Keywords: Metal matrix composites, Aluminium metal matrix composites, Powder metallurgy, Mechanical Properties