

Review of: "The Influence of Hot Extrusion on The Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced With Silicon Carbide Particulates"

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Potential competing interests: No potential competing interests to declare.

1. In the introduction section, expand slightly on the background of hot rolling of composites and its significance to provide more context.
2. In the Experimental Work, ASTM standards of the specimen diagram are to be included with dimensions
3. A brief procedure to calculate the density and porosity is to be added in the text
4. On page Number 4, Graph-1 and Graph-2 are to be replaced by Figure-1 and Figure-2, and in the graphs, no units are indicated on the vertical axis. Indicate them clearly
5. The standard ASTM E-9 is used for the tensile and compression tests on page No-3, and on page No. 5, the same is mentioned as ASTM E-8, which one is correct? Check
6. All graphs to be redrawn and mentioned the units, and maintain the uniform font size and a clear picture
7. On page No.16, you mentioned, "It is observed that material transfer between the composite and the counterpart material in the as-cast condition is reduced in the hot extruded condition." What is the meaning of material transfer? Explain
8. Need more details of the surface micrograph study of wear
9. In the conclusion, "The mechanical properties of the composites improve significantly with the addition of reinforcements before extrusion. The hot extrusion samples showed even more improvement" . This is a general comment. It is better to mention the percentage of increase in mechanical properties.