

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.

The Influence of Hot Extrusion on the Mechanical and Wear Properties of an Al6063 Metal Matrix Composite Reinforced with Silicon Carbide Particulates.

Review comments:

1. The author clearly mentioned the aim of this work, but as of now, a lot of work has been reported on AA6xxx alloys reinforced with SiC and others, even though applying a secondary processing method to improve the properties of casted bodies is good work.
2. After studying this paper, I feel that the literature part is very short and the cited references are also very few, and all the references are limited to year 2020 only. What about the work carried out after 2020? Not addressed. Add a few latest papers to strengthen the paper.
3. How SiC reduced the density: please give a detailed discussion.
4. From the results shown in graph 3, the tensile strength is not improved much as compared to the as-cast condition. How does the author recommend this composite for applications?
5. The specific applications of the AA6063 alloy are not addressed in this paper; map this work to a few applications.

Finally, the work is good but needs to strengthen the paper to meet the quality.