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. Why the selection of this range 0-8% wt SiC? Are there literature sources to back this selection? Page 3
2. You did not mention anything about the measurement/calculation of density and porosity under experimental work. Page 5
3. You did not mention the particle size of the ceramic (SiC) used in this work. Page 5.
4. It can be observed that the porosity for secondary processing (extrusion) at 6% and 8% addition of SiC was almost the same. This shows that a few additions above 8% MAY result in a decrease in the porosity and possibly a more densified composite. Can you check the literature to confirm if any researcher has used above 8% addition of SiC? A comparison of the results will also be necessary. Page 5.
5. It can be observed that the porosity for secondary processing (extrusion) at 6% and 8% addition of SiC was almost the same. This shows that a few additions above 8% MAY result in a decrease in the porosity and possibly a more densified composite. Can you check the literature to confirm if any researcher has used above 8% addition of SiC? A comparison of the results will also be necessary. Page 5.
6. You gave the percentage increase for the cast sample, but you did not in the case of post-cast conditions of extrusion. Page 6.
7. What do you mean by "optimal mixture"? Did you optimize the addition of SiC? If yes, you did not mention the optimization method adopted. Page 9
8. What do you mean by "identical"? You used technical terms adopted in describing fractured surfaces. Page 9.
9. You did not lock the aspect ratio before expanding this image (Fig. 3), so a better version should be included. Page 10.
10. Change "Doping" to "addition." Page 11.
11. Graphs 8 and 11 were obtained using a particular load. Give the load for better understanding. Page 14.
12. Are you sure it is aluminum, or rather aluminum alloy? Page 19.
13. You did not show the refined grains in the SEM images. Maybe a TEM image may be necessary to reveal this. Page 19.
14. Change "doping" to "addition." Page 19.