

following conclusions:

1. Solid borosilicate glass microspheres can be used as a potential filler material in epoxy matrix composites. Incorporation of BGMs modifies the physical and mechanical characteristics of these composites.
2. Dry sliding wear characteristics of these composites can be successfully analyzed using Taguchi experimental design scheme. The Taguchi method provides a simple, systematic, and efficient methodology for the optimization of the control factors.
3. Factors like sliding velocity, BGM content are found to be significant to minimize the specific wear rate.

BGMs are found to possess good filler characteristics as they improve wear resistance of the composite

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