

A review on mechanical properties of hybrid reinforced polymer composite

Abstract

Development of hybrid fiber reinforced composite as sustainable alternatives material for some industrial and engineering applications have gained significant interests over past few years. The combination of two different types of reinforcing elements in a single matrix system produce a hybrid composite with special features such as biodegradability, low cost, low specific weight, and in some cases, enhance the mechanical, thermal and water absorption properties compared to single-fiber reinforced composite. In this paper, the mechanical properties (tensile properties, flexural properties and impact strength), thermal expansion and water absorption behavior of hybrid fiber-reinforced composite were reviewed and reported.