

عنوان مقاله:

Mechanical and tribological behavior of polyamide6,6 reinforced with short carbon fibers

محل انتشار:

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خلاصه مقاله:

The improvement of wear resistance is very important in the thermoplastic composite wear application, therefore the present work focused on this property by adding short carbon fibers(5 , 10 , 15 and 20 wt %)to reinforced polyamide6,6(Pa6,6). Twin screw extruder is used to prepared the composite specimens .The results obtained from this study improved wear resistance for only (15 and 20 wt%) and Improved the mechanical properties tensile strength, modulus and hardness with increased carbon fibers content

کلمات کلیدی:

wear resistance, polyamide6,6 (Pa6,6), short carbon fibers, Twin screw extruder

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