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Effect of Short Glass Fiber on Mechanical and

G. M. Mamoor, Nida Qamar, Umer Mehmood, Muhammad Shahzad Kamal

Thermoplastic vulcanizates of polymethyl methacrylate (PMMA) and styrene butadiene rubber (SBR) were prepared by melt processing using dicumyl peroxide

increasing concentration of short glass fiber. It was also scrutinized that with increase in fiber contents consistency index increases. On increasing fiber contents

vulcanizates show more pronounced pseudoplastic behaviour.

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(DCP) as a vulcanizing agent. Effect of short glass fiber (SGF) on mechanical and rheological properties of PMMA/SBR vulcanizates has been investigated using

universal testing machine and melt flow indexer. The results revealed increase in tensile strength and decrease in melt flow index as well as elongation at break on

Rheological Properties of PMMA/SBR Vulcanizate

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