ABSTRACT:

Recent patents on newly developed composites show that the application of fibres can be used to enhance the structural integrity of polymers. In this work, the scratch behaviour of E-glass fibre-reinforced polyester composites is investigated. The composites are prepared for different fibre orientations, longitudinal, transverse and random. The scratch force is lower for polyester composites with longitudinal orientated fibres compared to transversely aligned orientation. The introduction of glass fibres increases the scratch hardness of polyester.