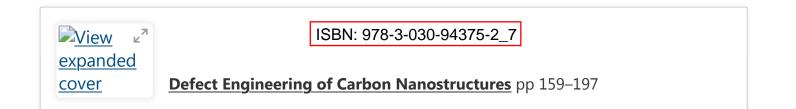


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Graphene-Based Polymer Composites: Physical and Chemical Properties

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Abstract

The graphene-based polymer composites are of immense interest for their end-use applicability in the field of electromagnetic interference shielding devices, tissue engineering, sensor, power storage, supercapacitors, and energy storage devices. Graphene oxide is one of the finest nanomaterials with outstanding physical and chemical properties for the choice of scientific and engineering applications. The present chapter is focused mainly on two categories. In the first category synthesis technique is based on electrospinning for the fabrication of graphene-reinforced polymeric composites. In the