Impact and Dynamic Fracture of Polymers and Composites (ESIS 19)

Description: Impact and Dynamic Fracture of Polymers and Composites consist of thirty-nine reviewed and revised papers presented at the European Symposium on Impact and Dynamic Fractures of Polymers and composites held in Sardinia.

The volume is divided into four sections. The first section deals with experimental methods and concepts in high-speed loading. Dynamic crack propagation is described in section 2, and rate-dependence and impact fracture toughness of plastics is dealt with in section 3. The last section is concerned with the impact damage of composites. Finally, an extensive index facilitates the location of specific information for readers.

This volume is the nineteenth in a series of special technical publications produced by the European Structural Integrity Society. It is an informative and original piece of work and can be thoroughly recommended to engineering designers, manufacturing engineers, and material scientists. Indeed, Impact and Dynamic Fracture of Polymers and Composites makes a significant contribution to the literature on this important subject, and will make essential reading to all those involved in this field of mechanical engineering.

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