

Preface

Epoxy-based composites are widely used in aerospace, automotive, marine, and defense applications because of their excellent mechanical properties and good resistance to wear and corrosion. Polymer matrix composites can be prepared using the hand lay-up technique, compression molding, and spray-up and pultrusion processes.

This book presents the use of epoxy as filler for polymer matrix composites, synthesis and properties of epoxy-based composites, fiber inclusion of epoxy-based composites, research work on epoxy-glass composites, modifications of epoxy resin adhesives, and application of epoxy-based composites for radiation shielding.

This book is useful for industrialists, undergraduate and postgraduate students, research scholars, and scientists to understand the use of epoxy-based composites, manufacturing methods, mechanical testing, and applications of epoxy-based composites in various sectors.

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