

Failure Mechanics of Composites (Handbook of Composites, Vol 3)



Although much research has been done since the early 1960s, predictive capability in composite behavior is still lacking. This volume is concerned with the failure considerations and improved testing methods. The roles of imperfections, defect, creep and impact are analyzed, as well as experimental data obtained from non-destructive testing methods such as photoelasticity, strain gauges, Moire, holography and ultrasonics. Contributors from the USA and USSR present here their contributions towards the further understanding of the long-term integrity of these materials under service conditions.

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