



# Durability of Fiber-Reinforced Polymers

Yasushi Miyano, Masayuki Nakada

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## DESCRIPTION

The result of the authors' 40 years of experience in durability testing, this book describes the advanced testing methodology based on the viscoelasticity of matrix polymer.

After a short introduction to the viscoelastic behavior of fiber-reinforced plastics, the text goes on to review in detail the concepts of static, fatigue and creep strengths in polymer composites. An application-oriented approach is adopted such that the concepts developed in the book are applied to real-life examples.

Indispensable information for materials scientists and engineers working in those industrial sectors is concerned with the development and safe use of polymer composite-based products.

## ABOUT THE AUTHOR

Yasushi Miyano and Masayuki Nakada are Professors in Materials System Research Laboratory at Kanazawa Institute of Technology, Japan. Their research is focused on the prediction methodology for the long-term creep and fatigue lives of polymer composites based on the time-temperature superposition principle. Prof. Miyano is fellow of the Society for the Advancement of

Material & Process Engineering, The Japan Society of Mechanical Engineers, and The Japan Society of Composite Materials.

Prof. Nakada is a fellow of The Japan Society of Composite Materials.

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