APPLICATIONS OF COMPOSITE MATERIALS

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APPLICATIONS OF COMPOSITE MATERIALS

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Edited by

Michael J. Salkind, Ph.D.

Chief, Structures and Materials
Sikorsky Aircraft Division of United Aircraft Corporation
Stratford, Connecticut

and

Geoffry S. Holister, Ph.D.

Dean and Director of Studies in Technology
The Open University
Bletchley, Buckinghamshire, England

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Foreword

The technology of high performance fiber composites has been with us for only one decade. Although fiberglass has been available for many years, the discovery of boron fiber in the early 1960's, followed quickly by graphite and other fibers, ushered in a new era of structural composites which included the rediscovery of fiberglass for critical, highly loaded structures.

At the present time there are several hundred advanced composite structures which are flying, and the technology which was developed primarily for aerospace is being quickly adapted to commercial applications, including machinery, sporting equipment, and storage tanks, among others.

The rapid developments in composite technology, which occurred primarily in the 1960's in the aerospace field, are chronicled in this book. Because this field is advancing rapidly, the material in this book is not completely up-to-date; however, it is still remarkably valid in providing a review of the fundamental technological base in this field.

M. J. Salkind

Stratford, Connecticut
October 1972

Dedication

To
Dr. Isaac H. Schwartz
my good friend and mentor
M.J. Salkind

Related ASTM Publications

Composite Materials: Testing and Design (Second Conference), STP 497 (1972), $36.50

Composite Materials: Testing and Design, STP 460 (1970), $31.00

Interfaces in Composites, STP 452 (1969), $16.50

Contents