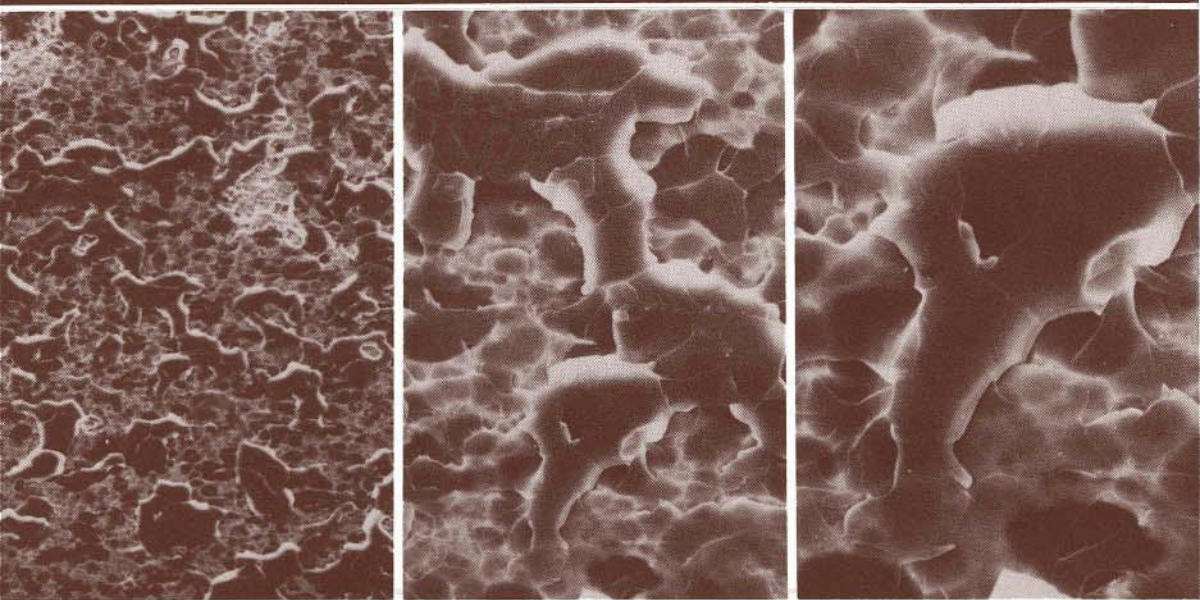


# COMPOSITE MATERIALS

TESTING AND DESIGN

*Seventh Conference*



JAMES M. WHITNEY *Editor*

STP 893



# COMPOSITE MATERIALS: TESTING AND DESIGN (SEVENTH CONFERENCE)

A conference  
sponsored by  
ASTM Committee D-30 on  
High Modulus Fibers and  
Their Composites  
Philadelphia, PA, 2-4 April 1984

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## Foreword

The Seventh Conference on Composite Materials: Testing and Design was held 2–4 April 1984 in Philadelphia, Pennsylvania. ASTM Committee D-30 on High Modulus Fibers and Their Composites sponsored the conference. James M. Whitney, Wright-Patterson Air Force Base, served as conference chairman and editor of this publication. Most of the papers presented are included in this volume, which complements the first, second, third, fourth, fifth, and sixth conference publications—*ASTM STP 460*, *ASTM STP 497*, *ASTM STP 546*, *ASTM STP 617*, *ASTM STP 674*, and *ASTM STP 787*, *Composite Materials: Testing and Design*.

## Related ASTM Publications

Composite Materials: Testing and Design (Sixth Conference), STP 787 (1982),  
04-787000-33

Composite Materials: Testing and Design (Fifth Conference), STP 674 (1979),  
04-674000-33

Composite Materials: Testing and Design (Third Conference), STP 546 (1974),  
04-546000-33

Composite Materials: Testing and Design (Second Conference), STP 497 (1972),  
04-497000-33

## A Note of Appreciation to Reviewers

The quality of the papers that appear in this publication reflects not only the obvious efforts of the authors but also the unheralded, though essential, work of the reviewers. On behalf of ASTM we acknowledge with appreciation their dedication to high professional standards and their sacrifice of time and effort.

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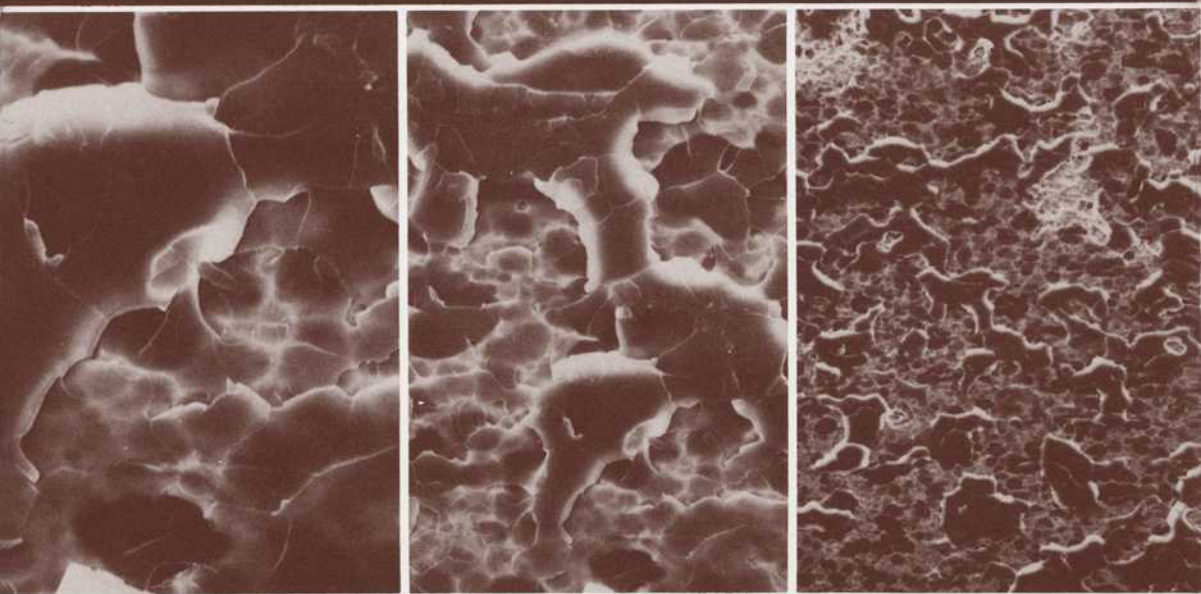
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