

Sixty-sixth Annual Meeting Papers

ADHESION



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ADHESION

Recent Developments in Adhesion Science
Sponsored by ASTM Division of Materials Science

as

ASTM Materials Science Series—6

Recent Advances in Adhesives Technology
Sponsored by ASTM Committee D-14 on Adhesives

Adhesives—Past, Present, and Future
1963 Edgar Marburg Lecture

Presented at the

SIXTY-SIXTH ANNUAL MEETING

AMERICAN SOCIETY FOR TESTING AND MATERIALS

Atlantic City, N. J., June 26, 1963



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FOREWORD

The papers in this publication were presented at four sessions of the Sixty-sixth Annual Meeting of the Society held in Atlantic City, New Jersey, June 23–28, 1963.

The first two sessions were concerned with papers of theoretical significance presented at the Symposium on Recent Developments in Adhesion Science. This symposium was sponsored by the Division of Materials Sciences and Chairmen of the sessions were F. H. Wetzel, Hercules Powder Co., Inc., and F. W. Reinhart, consultant.

Papers of practical significance were presented at a Symposium on Recent Advances in Adhesives Technology, sponsored by Committee D-14 on Adhesives. Chairmen of these two sessions were R. F. Blomquist, U. S. Forest Products Laboratory and N. J. DeLollis, Sandia Corp.

This publication also contains a reprint of the Marburg Lecture, "Adhesives—Past, Present, and Future," delivered at the Sixty-sixth Annual Meeting by Mr. Blomquist. The lecture covers a brief history of adhesives, present state of the art, and future possibilities for the use of adhesives.

NOTE—The Society is not responsible, as a body, for the statements
and opinions advanced in this publication.

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RELATED ASTM PUBLICATIONS

Adhesives, STP 65 (1946)

Testing Adhesives for Durability and Permanence, STP 138 (1952)

Adhesion and Adhesives, STP 271 (1959)

THIS PUBLICATION is one of many issued by the American Society for Testing and Materials in connection with its work of promoting knowledge of the properties of materials and developing standard specifications and tests for materials. Much of the data result from the voluntary contributions of many of the country's leading technical authorities from industry, scientific agencies, and government.

Over the years the Society has published many technical symposiums, reports, and special books. These may consist of a series of technical papers, reports by the ASTM technical committees, or compilations of data developed in special Society groups with many organizations cooperating. A list of ASTM publications and information on the work of the Society will be furnished on request.

