

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.

CONTENTS

	PAGE
Introduction—F. W. Reinhart.....	1
Recent Developments in Adhesion Science	
Application of Fracture Mechanics to Adhesive Joints—E. J. Ripling, S. Mostovoy, and R. L. Patrick.....	2 5
Discussion.....	17
Determination of Intermolecular Forces by Surface-Chemical Techniques—F. M. Fowkes.....	20 31
Discussion.....	32
Fiber-Elastomer Adhesion Variables—H. T. Patterson.....	45
Discussion.....	46
Adhesion and Cleavage Stress at Interfaces Between Solids and a Pressure-Sensitive Adhesive—C. A. Dahlquist.....	56
Discussion.....	59
Chemical Nature of Polymer to Metal Adhesion—A. F. Lewis and L. J. Forrestal. Discussion.....	76
Recent Advances in Adhesives Technology	
Flexural Moduli and Deflection Temperatures of Various Epoxy Formulations— N. J. DeLollis.....	81 86
Discussion.....	87
Phenoxy Resin—A New Thermoplastic Adhesive—T. E. Bugel, S. Norwalk, and R. H. Snedeker.....	95
Discussion.....	96
Adhesive Requirements for the Automotive Industry—S. B. Twiss.....	114
Discussion.....	115
Performance of Phenolic and Urea Resins in Particle-Board Binding—R. H. Kam- rath.....	123
Polyken Probe Tack Tester—F. H. Hammond, Jr.....	134
Discussion.....	135
Evidence of Need for Wood-Failure Standard—P. L. Northcott, W. V. Hancock, and H. G. M. Colbeck.....	148
Nondestructive Testing of Adhesive-Bonded Joints—H. M. Gonzalez and C. V. Cagle.....	159
Discussion.....	163
Strength of Epoxy Adhesives When Stressed to Failure in Milliseconds—R. F. Weg- man and W. C. Tanner.....	176
Discussion.....	176
Adhesives—Past, Present, and Future	
1963 Edgar Marburg Lecture—R. F. Blomquist.....	179

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.

