# Contents

**Diffusion of Water in Adhesives** . . . . . 1
John Comyn

**Water and Ions at Polymer/Metal Interfaces** . . . . . 21
Ralf Posner, Ozlem Ozcan and Guido Grundmeier

**Surface Treatments for Moisture Resistance** . . . . . 53
Gary Critchlow

**Influences of Water on the Adhesive Properties** . . . . . 77
Chiaki Sato

**Influence of Water on the Interface Properties** . . . . . 95
Hidetoshi Yamabe

**Prediction of Adhesion Strength for IC Plastic Package Under Humid Conditions—Fracture Mechanics Approach** . . . . . 113
Naotaka Tanaka

**Prediction of Joint Strength Under Humid Conditions: Damage Mechanics Approach** . . . . . 123
Ian A. Ashcroft and Andrew D. Crocombe

**Prediction of Joint Strength Under Humid Conditions with Cyclic Loading** . . . . . 147
Andrew D. Crocombe and Ian A. Ashcroft



Bibliografische Informationen
http://d-nb.info/1032428163

digitalisiert durch DEUTSCHE NATIONAL BIBLIOTHEK