

CONTENTS

1. Sources of timber supply	1
2. Growth and structure	9
3. Physical properties	23
4. Hygroscopic properties : shrinkage and swelling	33
5. Mechanical properties	53
6. Identification	79
7. Lumber, grades and sizes	82
8. Destructive agencies	96
9. Preservative treatment	118
10. Veneers , adhesives , plywood , laminated wood	131
11. Textile materials	190
12. Chemistry of plastics and resins	203
13. Plasticizers , fillers , colors , film and sheet, coatings	227
14. Molds and molding methods	253
15. Plastics – based laminates , vulcanized fiber, resin – wood combinations	279
16. Properties of plastics	304
17. Building boards , structural sandwiches , timber – concrete	321
Index	337