

CONTENTS

1. HISTORY AND SUMMARY OF RUBBER TECHNOLOGY	1
2. INTRODUCTION TO POLYMER CHEMISTRY	44
3. NATURAL RUBBER	61
4. VULCANIZATION	93
5. ACCELERATORS OF VULCANIZATION	109
6. ANTIOXIDANTS AND ANTIOZONANTS	130
7. RUBBER PLASTICIZERS, SOFTENERS, AND EXTENDERS	151
8. CARBON BLACK	172
9. NONBLACK COMPOUNDING INGREDIENTS	213
10. BUTADIENE-STYRENE RUBBERS	256
11. NITRILE AND POLYACRYLATE RUBBERS	285
12. BUTYL RUBBER	309
13. NEOPRENE	335
14. HYPALON SYNTHETIC RUBBER	349
15. POLYSULFIDE POLYMERS (THIOKOL)	363
16. SILICONE RUBBERS	383
17. RECLAIMED RUBBER	404
18. LATEX, SPONGE, AND FOAM	434
19. PHYSICAL TESTING	462
20. PROCESSING EQUIPMENT	517
INDEX	541