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Control of Molecular Weight and/or Endgroups; 6.4 Control of Topologies; 6.5 Modification of Poly(arylene ether)s
6.6 Block and Graft Copolymers6.7 Miscellaneous Poly(arylene ether)s, Poly(arylene thioether)s, and Related Polymers; References; 7 Chemistry and Properties of Phenolic Resins and Networks; 7.1 Introduction; 7.2 Materials for the Synthesis of Novolac and Resole Phenolic Oligomers; 7.3 Novolac Resins; 7.4 Resole Resins and Networks; 7.5 Epoxy-Phenolic Networks; 7.6 Benzoxazines; 7.7 Phenolic Cyanate Resins; 7.8 Thermal and Thermo-Oxidative Degradation; References; 7.9 Appendix; 8 Nontraditional Step-Growth Polymerization: ADMET; 8.1 Introduction
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10.3 Factors Affecting the use of Recycled Monomers or Oligomers10.4 Chemistry and Catalysis; 10.5 Experimental Methods; 10.6 Synthetic Methods; References; Index

Sommario/riassunto

Synthetic Methods in Step-Growth Polymers provides a concise source of information on synthetic techniques, purification, and characterization methods for step-growth polymers and also addresses future synthetic trends.