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SPECIALTY FOAMS: (Epoxy Foams, Polyester Foams, Silicone Foams, Urea-Formaldehyde Foams, Polybenzimidazole, Foams, Polyimide Foams, Polyphosphazene Foams, and Syntactic Foams); Epoxy Foams; Polyester Foams; Silicone Foams; Urea-Formaldehyde (UF) Foams Polybenzimidazole (PBI) Foams Polyimide Foams; Polyphosphazene Foams; Syntactic Foams; References; CHAPTER 6. SOLVENT CEMENTING AND ADHESIVE BONDING OF FOAMS; Introduction; Solvent Cementing; Adhesive Bonding; References; CHAPTER 7. ADDITIVES, FILLERS AND REINFORCEMENTS; Introduction; Antistats (Antistatic Agents); Blowing Agents Foaming Agents); Catalysts; Fire Retardants (Flame Retardants); Mold-Release Agents (Parting Agents); Nucleating Agents (Nucleators); Reinforcements; Stabilizers; Surfactants; References; CHAPTER 8. METHODS OF MANUFACTURE; Introduction; Molding; Spraying; Frothing Laminating Structural Foam Preparation; Syntactic Foam Preparation; Foam-in-Place (Foam-in-Bag) Techniques; References; CHAPTER 9. SOURCES OF INFORMATION; Introduction; Journals and Other Periodicals; Books; Conferences, Proceedings, Technical Bulletins, and Technical Reports; CHAPTER 10. TEST METHODS; Introduction; Compilation of Standard Test Methods; Discussion of Selected Test Methods; Special Non-Standardized Test Methods; References; CHAPTER 11. STANDARDIZATION DOCUMENTS; Introduction; Industry Standards; Military Standards; Military Handbooks; ISO Standards; References; GLOSSARY References INDEX

Sommario/riassunto

This book is intended to be a source of practical information on all types of plastic foams (cellular plastics) in use, including the new structural plastic foams. Elastomer (rubber-like) foams are also considered. The book is intended primarily for those who require a non-theoretical, authoritative, easy-to-use handbook in the subject area. It should be of value to materials engineers, plastics fabricators, chemists, chemical engineers and students. Recognized authorities have written several chapters and parts of chapters in their fields of expertise. The book is organized in such a
