1. Record Nr. UNINA9910450985303321

Autore	Murphy John <1934 May 23->
Titolo	Additives for plastics handbooks [[electronic resource] /] / John Murphy
Pubbl/distr/stampa	Kidlington, Oxford, UK ; ; New York, NY, USA, : Elsevier Science Ltd., c2001
ISBN	1-281-03545-9 9786611035457 0-08-049861-2
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (507 p.)
Disciplina	668.4/11
Soggetti	Plastics - Additives Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Front Cover; Additives for Plastics Handbook; Copyright Page; Contents; List of Tables; List of Figures; Preface and Publishers' note; Chapter 1. An Overview of Additives; Chapter 2. Types of Additive and the Main Technical Trends; 2.1 Current Lines of Development; 2.2 Special Additives; 2.3 Multi-functional Formulations; 2.4 Masterbatches; 2.5 Dendritic Polymers; Chapter 3. The World Market; 3.1 World Consumption of Additives; 3.2 The Market for Masterbatch; 3.3 Overall Commercial Trends; 3.4 Growth of Specialist Compounders; 3.5 Regional Factors Chapter 4. Modifying Specific Properties: Mechanical Properties - Fillers4.1 Effect of Fillers; 4.2 Factors for Compounding; 4.3 Types of Fillers; 4.4 Surface Modification; 4.5 Nano-technology; 4.6 Commercial Trends; Chapter 5. Modifying Specific Properties: Mechanical Properties - Reinforcements; 5.1 Fibres: The Basic Properties; 5.2 Types of Reinforcing Fibre; 5.3 Other Fibres; 5.4 Natural Fibres; 5.5 Forms of Reinforcement; 5.6 Long-fibre Reinforcement; 5.7 New Developments; 5.8 Commercial Trends Chapter 6. Modifying Specific Properties: Appearance - Colorants, Pigments, Dyes, Special Effects6.1 Main Types of Pigment and Colorant; 6.2 Addition of Colorants; 6.3 Replacement of Cadmium; 6.4 Pigments for Special Effects; 6.5 Laser Marking; 6.6 Pigment Dispersants; 6.7

Multi-functional Systems; 6.8 Pigments for Engineering Plastics; 6.9 The Effect of Pigments on Dimensions; 6.10 Colorants for Food and Medicals; 6.11 Recent Developments; 6.12 Market Trends; Chapter 7. Modifying Specific Properties: Appearance - Black and White Pigmentation; 7.1 Types of White Pigment; 7.2 Black Pigments
7.3 Commercial Trends: Titanium Dioxide7.4 Commercial Trends: Carbon Black; Chapter 8. Modifying Specific Properties: Resistance to Heat - Heat Stabilizers; 8.1 How They Work; 8.2 Antioxidants; 8.3 Blends; 8.4 Replacement of Heavy Metals; 8.5 Effect of Silica on the Activity of Stabilizers; 8.6 Benzoxazolone Derivatives for PVC; 8.7 New Chemistry for Stabilizers; 8.8 Recent Developments; 8.9 Other Stabilizers; 8.10 Commercial Trends; Chapter 9. Modifying Specific Properties: Resistance to Light - UV Stabilizers; 9.1 How They Work; 9.2 UV Screening Pigments; 9.3 Absorbers
9.4 Energy Transfer Agents/Quenchers9.5 Scavengers: Hindered Amine Light Stabilizers; 9.6 Synergists with HALS; 9.7 Polymeric Stabilizers; 9.8 Blends; 9.9 Replacement of Heavy Metals; 9.10 Selection of Antioxidants for Use with UV Stabilizers; 9.11 Concentrates, Masterbatches; 9.12 New Chemistry; 9.13 Recent Developments; Chapter 10. Modifiying Specific Properties: Flammability - Flame Retardants; 10.1 How They Work; 10.2 Summary of FR additives; 10.3 Halogenated Compounds; 10.4 Other Flame Retardants; 10.5 Phosphorus; 10.6 Intumescent Flame Retardants; 10.7 Halogen-free Systems
10.8 Combinations of Flame Retardants

Sommario/riassunto

Both technically and economically, additives form a large and increasingly significant part of the polymer industry, both plastics and elastomers. Since the first edition of this book was published, there have been wide-ranging developments, covering chemistry and formulation of new and more efficient additive systems and the safer use of additives, both by processors in the factory and, in the wider field, as they affect the general public. This new edition follows the successful formula of its predecessor, it provides a comprehensive view of all types of additives, concentrating m

2. Record Nr. UNINA9910483814303321

Titolo	Fuzzy logic and applications : 8th International Workshop, WILF 2009, Palermo, Italy, June 9-12, 2009 ; proceedings / / Vito Di Gesu, Saankar Kumar Pal, Alfredo Petrosino (eds.)
Pubbl/distr/stampa	Berlin ; ; New York, : Springer, c2009
ISBN	3-642-02282-0
Edizione	[1st ed. 2009.]
Descrizione fisica	1 online resource (XIV, 378 p.)
Collana	Lecture notes in artificial intelligence ; ; 5571
Altri autori (Persone)	Di GesuV MasulliF (Francesco) PetrosinoAlfredo PalSankar K
Disciplina	006.3
Soggetti	Fuzzy logic Fuzzy sets Fuzzy systems Soft computing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Advances in Theory of Fuzzy Sets -- Non Contradiction, Excluded Middle, and Fuzzy Sets -- Approximate Parallelism between Fuzzy Objects: Some Definitions -- Barycentric Algebras and Gene Expression -- Fuzzy Quantification Using Restriction Levels -- Least Squares Method for L-R Fuzzy Variables -- Modeling Interpretive Steps in Fuzzy Logic Computations -- Nestings of T–Conorms -- On Coherence and Consistence in Fuzzy Answer Set Semantics for Residuated Logic Programs -- Rough Set Approach to Rule Induction from Imprecise Decision Tables -- Uninorm Based Fuzzy Network for Tree Data Structures -- Advances in Intuitionistic Fuzzy Sets -- A Note on the Conditional Expectation of IF-Observables -- A Survey on the Algebras of the So–Called Intuitionistic Fuzzy Sets (IFS) -- General Form of Probabilities on IF-Sets -- On the E-Probability on IF-Events -- Fuzzy Classification and Clustering -- Rough Ensemble Classifier: A Comparative Study -- A Fuzzy One Class Classifier for Multi Layer Model -- An Experimental Validation of Some Indexes of Fuzzy