

1. Record Nr.	UNINA9910830948003321
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Titolo	Flame retardants : materials and applications // Johannes Karl Fink, Montanuniversitat Leoben, Austria
Pubbl/distr/stampa	Hoboken : , : Wiley-Scrivener, , 2020
ISBN	1-119-75222-1 1-119-75223-X 1-119-75219-1
Descrizione fisica	1 online resource (381 pages)
Disciplina	628.9223
Soggetti	Fireproofing agents
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Types of flame retardants -- Mechanisms of flame retardants -- Dripping inhibitors -- Smoke suppressants -- Standards and testing -- Synthesis and fabrication methods -- Examples of polymers -- Special uses.
Sommario/riassunto	"This book focuses on the chemistry and applications of flame retardants for polymers and other materials. It starts with a description and types of flame retardants, as well as their properties and chemical structures, to include chlorine- and bromine-containing flame retardants, phosphorus-based flame retardants, nitrogen-based flame retardants, and silicones. Inorganic materials that serve as flame retardants, such as boron-based additives, graphenes, and others are discussed in detail. In addition, the following subjects are discussed in detail: Flame retardant polymers The mechanisms of flame retardants, such as flame cooling, synergetic effects, degradation of flame retardants, and others Other flame retardant compositions, such as dripping inhibitors and smoke suppressants Testing methods for flame retardants, international standards, human health hazards, such as smoke toxicity and problems with wastes Synthesis and fabrication methods, as well as recycling methods The application of flame retardants to the coating material using 3D printing, reactive coating, and bulk addition methods Non-burning comonomers, foams,

nanocomposites and bio-based materials Flame retardants with other
textiles, such as wool and electrical applications such as batteries"--
