

1. Record Nr.	UNINA9911006843103321
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Titolo	Fire behavior of upholstered furniture and mattresses // by John F. Krasny, William J. Parker, Vytenis Babrauskas
Pubbl/distr/stampa	Park Ridge, N.J., : Noyes Publications Norwich, N.Y., : William Andrew Publishing, c2001
ISBN	9786612002434 9780815514572 9781591241775 1591241774 9781282002432 1282002430 9780080946870 0080946879 9780815517207 0815517203 978-0-8155-1457-3 9780815514573
Descrizione fisica	1 online resource (xiii, 437 pages) : illustrations
Altri autori (Persone)	ParkerW. J <1926-> (William James) BabrauskasVytenis
Disciplina	628.9222 645.4
Soggetti	Bedding - Fire testing Fire resistant materials Furniture - Fire testing Upholstery - Fire testing Upholstered furniture - Fire testing
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references (p. 379-419) and index.
Nota di contenuto	Fundamentals -- Test methods, standards and regulations -- Ignition sources -- Effects of test apparatus and of test scale -- Upholstered item design engineering -- Modeling -- Fire hazard analysis.

Sommario/riassunto

In the United States alone, deaths due to furniture and bed fires still rank as the top-most category of fire losses. The flammability of upholstered furniture is a major concern of engineers and others across a wide swath of organizations. This book was written to provide its audience with the science and engineering need to better understand the combustibility of the products they manufacture, purchase, and try to extinguish. Beginning with a brief overview of materials, safety design and standards, the text covers topics such as flame ignition, spread, toxic gases, heat release rate
