

1. Record Nr.	UNINA9910814445203321
Autore	Fink Johannes Karl
Titolo	Liquid silicone rubber : chemistry, materials, and processing // Johannes Karl Fink
Pubbl/distr/stampa	Beverly, Massachusetts ; ; Hoboken, New Jersey : , : Scrivener Publishing : , : Wiley, , [2019] ©2019
ISBN	1-5231-2831-3 1-119-63140-8 1-119-63135-1 1-119-63137-8
Descrizione fisica	1 online resource (286 pages)
Collana	THEi Wiley ebooks.
Disciplina	547.8426
Soggetti	Silicone rubber Rubber chemistry Rubber industry and trade
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	Materials -- Methods -- Automotive and underwater applications -- Electrical and optical uses -- Medical uses -- Other uses.
Sommario/riassunto	"The scientific literature with respect to liquid functional rubbers is collected in this monograph. The text focuses on the basic issues and also the literature of the past decade. The book provides a broad overview of the materials used therein. In particular, materials and compositions for liquid functional rubbers are discussed. Also, methods of curing and special properties are described, such as tracking and erosion resistance, adhesion properties, storage and thermal stability. Methods of curing are precision casting, hybrid additive manufacturing, peroxide curing, ultraviolet curing, liquid injection molding, or hot embossing. Special fields of applications are automotive and underwater applications, electrical and optical uses, and medical uses"-- Provided by publisher.