

1. Record Nr.	UNINA9911006679603321
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Titolo	Handbook of fourier transform Raman and infrared spectra of polymers // A.H. Kuptsov, G.N. Zhizhin
Pubbl/distr/stampa	Amsterdam ; ; New York, : Elsevier, 1998
ISBN	1-282-16719-7 9786612167195 0-08-053194-6
Descrizione fisica	1 online resource (571 p.)
Collana	Physical sciences data ; ; 45
Altri autori (Persone)	ZhizhinG. N (German Nikolaevich)
Disciplina	547.7/046
Soggetti	Polymers - Spectra Fourier transform spectroscopy Raman spectroscopy Fourier transform infrared spectroscopy
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. xxx-xxxiii) and indexes.
Nota di contenuto	Front Cover; Handbook of Fourier Transform Raman and Infrared Spectra of Polymers; Copyright Page; Contents; Historical introduction; The essential principles of infrared absorption and Raman scattering; Important advantages of Raman spectroscopy; Main stages in the development of Fourier transform infrared spectroscopy; FTIR spectrometer - optical correlometer; Fourier transform Raman spectroscopy; Characterization of samples; Polymer classification; Polymer classification guide; Experimental conditions; Comments on data presentation; References; Appendix; Spectral interpretation literature Spectral collectionsAcknowledgements; Spectra; Alphabetical compound name index; Alphabetical synonym or TM index; Alphabetical general formula index; Chemical Abstracts Service registry number index
Sommario/riassunto	A collection of infrared and Raman spectra of 500 natural and synthetic polymers of industrial importance is presented in this book. A large variety of compounds are included, starting with linear polyolefins and finishing with complex biopolymers and related compounds. The

spectra were registered using Infrared Fourier Transform Spectrometers in the laboratory of the All-Russia Institute of Forensic Sciences. The IR and Raman spectra are presented together on the same sheet. The accompanying data include general and structure formulae, CAS register numbers, and sample preparation conditions.

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