

1. Record Nr.	UNINA9910688328403321
Titolo	Forest biomass : from trees to energy // Ana Cristina Goncalves, Adelia Sousa, Isabel Malico, editors
Pubbl/distr/stampa	London : , : IntechOpen, , 2021
Descrizione fisica	1 online resource
Disciplina	662.88
Soggetti	Biomass Biomass - Combustion
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910141502003321
Titolo	Handbook of paper and paperboard packaging technology // edited by Mark J. Kirwan
Pubbl/distr/stampa	Chichester, West Sussex ; ; Ames, Iowa, : Wiley-Blackwell, 2013
ISBN	9781118470930 1118470931 9781299158405 1299158404 9781118470916 1118470915 9781118470923 1118470923
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (431 p.)
Altri autori (Persone)	KirwanMark J
Disciplina	658.7/85
Soggetti	Paper containers Paperboard Packaging
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Note generali	Earlier edition has title: Paper and paperboard packaging technology.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	<p>Handbook of Paper and Paperboard Packaging Technology; Copyright; Contents; Contributors; Preface; Acknowledgements; 1 Paper and paperboard - raw materials, processing and properties; 1.1 Introduction - quantities, pack types and uses; 1.2 Choice of raw materials and manufacture of paper and paperboard; 1.2.1 Introduction to raw materials and processing; 1.2.2 Sources of fibre; 1.2.3 Fibre separation from wood (pulping); 1.2.4 Whitening (bleaching); 1.2.5 Recovered fibre; 1.2.6 Other raw materials; 1.2.7 Processing of fibre at the paper mill</p> <p>1.2.8 Manufacture on the paper or paperboard machine 1.2.9 Finishing; 1.3 Packaging papers and paperboards; 1.3.1 Introduction; 1.3.2 Tissues; 1.3.3 Greaseproof; 1.3.4 Glassine; 1.3.5 Vegetable parchment; 1.3.6 Label paper; 1.3.7 Bag papers; 1.3.8 Sack kraft; 1.3.9 Impregnated papers; 1.3.10 Laminating papers; 1.3.11 Solid bleached board (SBB); 1.3.12 Solid unbleached board (SUB); 1.3.13 Folding boxboard (FBB); 1.3.14 White-lined chipboard (WLC); 1.4 Packaging requirements; 1.5 Technical requirements of paper and paperboard for packaging; 1.5.1 Requirements of appearance and performance 1.5.2 Appearance properties 1.5.3 Performance properties; 1.6 Specifications and quality standards; 1.7 Conversion factors for substance (basis weight) and thickness measurements; References; 2 Environmental and resource management issues; 2.1 Introduction; 2.2 Sustainable development; 2.3 Forestry; 2.4 Environmental impact of manufacture and use of paper and paperboard; 2.4.1 Issues giving rise to environmental concern; 2.4.2 Energy; 2.4.3 Water; 2.4.4 Chemicals; 2.4.5 Transport; 2.4.6 Manufacturing emissions to air, water and solid waste; 2.5 Used packaging in the environment</p> <p>2.5.1 Introduction 2.5.2 Waste minimisation; 2.5.3 Waste management options; 2.6 Life cycle assessment; 2.7 Carbon footprint; 2.7.1 Carbon sequestration in forests; 2.7.2 Carbon stored in forest products; 2.7.3 Greenhouse gas emissions from forest product manufacturing facilities; 2.7.4 Greenhouse gas emissions associated with producing fibre; 2.7.5 Greenhouse gas emissions associated with producing other raw materials/fuels; 2.7.6 Greenhouse gas emissions associated with purchased electricity, steam and heat, and hot and cold water; 2.7.7 Transport-related greenhouse gas emissions</p> <p>2.7.8 Emissions associated with product use 2.7.9 Emissions associated with product end of life; 2.7.10 Avoided emissions and offsets; 2.8 Conclusion; References; 3 Paper-based flexible packaging; 3.1 Introduction; 3.2 Packaging needs which are met by paper-based flexible packaging; 3.2.1 Printing; 3.2.2 Provision of a sealing system; 3.2.3 Provision of barrier properties; 3.3 Manufacture of paper-based flexible packaging; 3.3.1 Printing and varnishing; 3.3.2 Coating; 3.3.3 Lamination; 3.4 Medical packaging; 3.4.1 Introduction to paper-based medical flexible packaging; 3.4.2 Sealing systems</p> <p>3.4.3 Typical paper-based medical packaging structures</p>
Sommario/riassunto	<p>The definitive industry reference on the paper and paperboard packaging sector. Now in a fully revised and updated second edition, this book discusses all the main types of packaging based on paper and paperboard. It considers the raw materials, the manufacture of paper and paperboard, and the basic properties and features on which packaging made from these materials depends for its appearance and performance. The manufacture of twelve types of paper- and paperboard-based packaging is described, together with their end-use</p>

applications and the packaging machinery involved. The importa
