

Report 182

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## Food Contact Rubbers 2 - Products, Migration and Regulation

Martin J. Forrest

Volume 16, Number 2, 2005

*Expert overviews covering  
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of rubber and plastics*

**rapra**

**Food Contact Rubbers 2 Products Migration And  
Regulation Rapra Review Report 182 Rapra Review  
Reports Report 18**

**J.A. Sidwell, M.J. Forrest**



## **Food Contact Rubbers 2 Products Migration And Regulation Rapra Review Report 182 Rapra Review Reports Report 18:**

Food Contact Rubbers 2 M. Forrest, 2006 The objective of this Rapra Review Report is to provide a comprehensive overview of the use of rubber as a food contact material from an initial description of the types of rubber which are used in the industry through the formulation of products and the contact regulations and migration testing regimes to the research that is on going to improve its safety and the trends for the future This report is a completely revised and updated version of Rapra Review Report 119 published in 2000 This Rapra Review Report comprises a concise expert review supported by an extensive bibliography compiled from the Rapra Abstracts database on the topic of rubbers in contact with food This bibliography provides useful additional information on this topical field

Food Contact Rubbers 2 Martin John Forrest, 2006 The objective of this report is to provide a comprehensive overview of the use of rubber as a food contact material from an initial description of the types of rubber which are used in the industry through the formulation of products and the contact regulations and migration testing regimes to the research that is on going to improve its safety and the trends for the future This report is a completely revised and updated version of Rapra Review Report 119 published in 2000 The report comprises a concise expert review supported by an extensive bibliography compiled from the Polymer Library to provide useful additional information on this topical field

**Rubbers in Contact with Food** J.A. Sidwell, M.J. Forrest, 2000 This report provides an excellent clearly written report on the state of the art of food contact elastomers In the UK the Ministry of Agriculture Fisheries and Food MAFF industry and Rapra have combined forces to study the issues surrounding rubbers in contact with food A survey has been carried out of the food processing industry to determine which rubber products come into contact with food contact area duration of contact and temperature of contact The results of this survey are found in the report and a compilation of data tables on each food industry studied is included as an appendix An additional indexed section containing several hundred abstracts from the Rapra Polymer Library database gives useful references for further reading

*Food Contact Materials* Martin John Forrest, 2009 Food Contact Materials Rubbers Silicones Coatings and Inks is an amalgamation of data from four recent projects This report provides a wealth of information taken from the results and findings of research projects on Migration Data of Food Contact Rubbers Two projects Rubber Breakdown Products Chemical Migration from Silicones used in Connection with Food Contact Materials and Articles and An Assessment of the Potential of Migration of Substances from Inks and their Respective Coatings Each review provides an expert overview of the products as food contact materials with a comprehensive accompanying list of relevant references from the Smithers Rapra Polymer Library to enable further reading In each case there is an initial in depth description of the variety and types of products that are used in industry and the chemical processes associated with their manufacture A summary of the relevant food contact regulations together with the migration and analytical testing regimes used to assess

their suitability for food contact are also included Food Contact Materials Rubbers Silicones Coatings and Inks brings together important sources of food contact information in a single convenient volume and will be an important reference source for workers in the food industry in general and within the food contact field in particular This handbook will also be of interest to anyone who works with the packaging of food and beverages and also to those who are studying food packaging processing Publisher's website **Food Contact Materials - Rubbers, Silicones, Coatings and Inks** Martin

Forrest, 2009-05-01 This book is an amalgamation of data from four recent projects This report provides a wealth of information taken from the results and findings of research projects on Migration Data of Food Contact Rubbers Two projects Rubber Breakdown Products Chemical Migration from Silicones used in Connection with Food Contact Materials and Articles and An Assessment of the Potential of Migration of Substances from Inks and their Respective Coatings Each review provides an expert overview of the products as food contact materials with a comprehensive accompanying list of relevant references from the Smithers Rapra Polymer Library to enable further reading In each case there is an initial in depth description of the variety and types of products that are used in industry and the chemical processes associated with their manufacture A summary of the relevant food contact regulations together with the migration and analytical testing regimes used to assess their suitability for food contact are also included This publication brings together important sources of food contact information in a single convenient volume and will be an important reference source for workers in the food industry in general and within the food contact field in particular This report will also be of interest to anyone who works with the packaging of food and beverages and also to those who are studying food packaging processing **Further Research on Chemical Migration from Food Contact Rubber and Other Elastomers** Rapra Technology Limited, Great Britain. Food Standards Agency, Great Britain. Ministry of Agriculture, Fisheries and Food, 2001 *Chemical Migration and Food Contact Materials* K Barnes, Richard Sinclair, David Watson, 2006-12-22 Food and beverages can be very aggressive chemical milieu and may interact strongly with materials that they touch Whenever food is placed in contact with another substance there is a risk that chemicals from the contact material may migrate into the food These chemicals may be harmful if ingested in large quantities or impart a taint or odour to the food negatively affecting food quality Food packaging is the most obvious example of a food contact material As the demand for pre packaged foods increases so might the potential risk to consumers from the release of chemicals into the food product Chemical migration and food contact materials reviews the latest controls and research in this field and how they can be used to ensure that food is safe to eat Part one discusses the regulation and quality control of chemical migration into food Part two reviews the latest developments in areas such as exposure estimation and analysis of food contact materials The final part contains specific chapters on major food contact materials and packaging types such as recycled plastics metals paper and board multi layer packaging and intelligent packaging With its distinguished editors and international team of authors Chemical migration and food contact materials is an essential

reference for scientists and professionals in food packaging manufacture and food processing as well as all those concerned with assessing the safety of food Reviews worldwide regulation of food contact materials Includes the latest developments in the analysis of food contact materials Looks in detail at different food contact materials     Global Legislation for Food Contact Materials J.S. Baughan,2015-04-09 Food contact materials such as packaging storage containers and processing surfaces can pose a substantial hazard to both food manufacturer and consumer due to the migration of chemicals or other substances from the material to the food which can cause tainting of flavours and other sensory characteristics or even illness This book reviews the main materials used for food contact in terms of the global legislation in place to ensure their safe and effective use Part One provides an overview of food contact legislation issues such as chemical migration and compliance testing Part Two looks in detail at the legislation for specific food contact materials and their advantages hazards and use in industry Includes global coverage of food contact legislation Features expert analysis of future trends in global food packaging regulation Focus on specific materials such as plastic paper and rubber materials in contact with food

*RAPRA Review Reports* Rapra Technology Limited,     *Physical Testing of Rubber* R. P. Brown,1992 Reasons for testing rubber materials and products fall into four categories quality control provision of design data prediction of service performance and investigation of failure Test methods have been standardised for almost all properties likely to be relevant to rubbers and the appropriate standards are listed in this report An additional indexed section containing several hundred abstracts from the Rapra Polymer Library database provides useful references for further reading

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