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| Altri autori (Persone) | PiringerO.-G (Otto G.)<br>BanerA. L (Albert Lawrence) |
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| Nota di contenuto | Plastic Packaging Materials for Food; Contents; 1 Preservation of quality through packaging; 1.1 Quality and shelf life of food; 1.2 Physical and chemical interactions between plastics and food; 1.3 Organization of the book; 2 Characteristics of plastic materials; 2.1 Classification, manufacture and processing aids; 2.1.1 Classification and manufacture of plastics; 2.1.2 Processing aids; 2.2 Structure and states of aggregation in polymers; 2.2.1 Structure; 2.2.2 States of aggregation; 2.3 The most important plastics; 2.3.1 Thermoplastics; 2.3.2 Thermosets; 2.3.3 Polyurethanes<br>2.3.4 Natural and synthetic rubber2.3.5 Silicones; 2.3.6 Plastics based on natural polymers; 2.3.7 Coatings; 3 Additives for plastics and their transformation products; 3.1 Additivs for plastics; 3.1.1 Introduction; 3.1.2 Nucleating agents; 3.1.3 Lubricants; 3.1.4 Antistatic agents; 3.1.5 Blowing agents; 3.1.6 Plasticizers; 3.1.7 Stabilizers; 3.1.8 Antifogging agents; 3.1.9 Dyes and pigments; 3.1.10 Fillers and reinforcing agents; 3.2 Transformation products of plastics stabilizers; 3.2.1 Introduction; 3.2.2 Cyclohexadienones and quinone methides from phenolic |

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Sommario/riassunto

Plastics have developed into the most important class of packaging materials. Their relative impermeability for substances from the surroundings has great influence on the shelf life and the quality of the packed goods. At the same time the interaction between the contents and the various components of the packaging plays a decisive role.This particular book is indispensable in the search for the optimal plastic packaging. It facilitates the estimation of the influence on the goods which come from the surroundings and from the packaging. The authors do not restrict themselves only to the d