



ODESSA NATIONAL ACADEMY OF FOOD TECHNOLOGIES

PREVENTION OF VACUUM DEFORMATION OF A POLYMERIC CONSUMPTION TAPE

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Purpose and scope: finished products in high-quality consumer packaging, without vacuum deformation of polymeric consumer packaging in packaging of alcoholic, non-alcoholic beverages, vegetable oils. Technological methods of its elimination. Target industrial consumers of technology are food companies that use polymeric PET packaging containers to pack homogeneous products.

Important indicators that characterize the level of the scientific result obtained:

The vacuum deformation of a polymeric consumer packaging made of polyethylene terephthalate (PET) in the packaging of liquid homogeneous products is due to several reasons: the insufficient thickness of the packaging wall, the discrepancy between the required number of ribs on the side of the bottles, the temperature difference between the product and the conditions for its packaging, and the absence of excess pressure in the hermetically sealed bottle, insufficient degree of filling of the container with the product.

The presence of vacuum deformation in a polymeric container with the product leads to its non-commercial appearance, as well as the manufacturer there are problems with the implementation of finished products, storage and transportation. Technological methods of eliminating the phenomenon of vacuum deformation of polymeric consumer packaging are offered.

The scientific result is finished products in high-quality consumer packaging.



The intellectual property protection status: in the stage of registration

Demand in the market: the need of enterprises of different forms of ownership

Field of use: food business. Creation of high-quality consumer polymeric packaging, which allows to solve the problem of implementation, storage, transportation of food products in this type of container.

The readiness for development status: харчові підприємства. Створення якісної споживчої полімерної тари, що дозволяє вирішити проблему реалізації, зберігання, транспортування харчової продукції у цьому виді тари.

State of development: industrial introduction.

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