

SRI LANKA STANDARD 871 : PART 6 : 1992

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**CODE FOR USE OF PLASTIC MATERIALS FOR
FOOD CONTACT APPLICATIONS**

PART 6 : POLYSTYRENE (PS)

SRI LANKA STANDARDS INSTITUTION

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SRI LANKA STANDARDS INSTITUTION

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PART 6 : POLYSTYRENE (PS)

FOREWORD

This standard was approved by the Sectoral Committee on Plastics was authorized for adoption and publication as a Sri Lanka Standard by the council of the Sri Lanka Standards Institution on 1993-06-17.

Plastics are widely used in the manufacture of food packaging materials, food utensils and components of food processing equipment. The plastic materials used for food contact applications are referred to as "food grade" plastics. It is generally accepted that the high molecular weight of polymers make them essentially inert and insoluble in food and therefore do not pose toxic hazards. However, polymers may contain residues of monomers, low molecular weight polymers, processing aids and substances which are added to the polymer to modify its physical, mechanical or other properties during, processing or usage. These residues may migrate into the food which is in contact with the polymer. Therefore, it is essential that the plastic materials and other additives used be such that any migration into food from such materials is minimized.

The extent to which the migration occurs is dependent on the type of plastic, contact area, rate of transfer of compounds, duration of contact and the type of food which is in contact with the plastic materials.

Good manufacturing practices should be followed throughout the manufacturing process, supply and usage of plastic materials for food contact applications.

This part is one of a series of standard codes for use of plastic materials for food contact applications. Other parts in this series are :

- Part 1 : General guidelines for manufacture;
- Part 2 : Polyvinyl chloride (PVC);
- Part 3 : Polyethylene (PE);
- Part 4 : Polypropylene (PP); and
- Part 5 : Polyethylene phthalate (PET).

This part covers polymers, processing aids and additives permitted for use in the manufacture and processing of polystyrene plastics for food contact applications. All permitted substances used should be of high standard of purity.