

Extir®



P 1212

Fast cycles - Excellent sintering - Excellent surface appearance - Food contact applications

Extir® P 1212 is a white expandable polystyrene with very small beads size. Extir® P 1212 is used for the fast molding of thin-walled and complex-shaped products. Extir® P 1212 is characterized by excellent sintering and excellent processability combined with dimensional stability and excellent surface appearance, it's suitable for food contact applications.

Applications

Extir® P 1212 is suitable for the production of artifacts with complex shapes and very fine sections. Typical applications are:

- Multi-perforated seed trays
- Industrial technical packaging
- Printed circuit board boxes
- Medical kits

Technical informations

Bulk density	kg/m ³	590 - 630
Pentane content	%	5-7
Beads size	mm	0,3-0,4
Minimum apparent density		
in a continuous pre-expander after one expansion	kg/m ³	22
in a continuous pre-expander after two expansions	kg/m ³	non appl.
in a discontinuous pre-expander	kg/m ³	18
Density range normally used	kg/m ³	20 - 60

For information about the properties of printed products, see the ["EXTIR® for packaging"](#) brochure

Processing

Extir® P 1212 can be processed in three steps.

Pre-expansion	Extir® P 1212 can be pre-expanded to the densities indicated above with continuous or discontinuous expanders
Aging	The aging time of the expanded beads is between 6 and 24 hours. It may vary according to the desired density and environmental conditions.
Molding	Extir® P 1212 can be molded in traditional EPS presses and is characterized by the ease of filling molds with complex geometries.

The final products have an excellent surface finish and an accurate reproduction of the mold details.

Certifications

Extir® P 1212 is suitable for food contact according to EU Regulation 10/2011

Storage

- Keep the product in a dry well ventilated store between 15- 20°C.
- For product packaged in octabins and stored correctly, the guaranteed shelf-life is one month
- The molded parts made of P 1212 should not be exposed to solar radiation and packed in transparent film. The use of an opaque or white film is strongly recommended.

Sicurezza

During the processing of Expandable Polystyrene, an explosive atmosphere could be created due to air / pentane mixtures. For this reason, all possible causes of ignition such as naked flames or sparks must be avoided, it is necessary to work in adequately ventilated places and a smoking should be forbidden. Adequate electrical grounding of machinery and of pneumatic conveyance lines is recommended. For further information relating to storage, packaging and processing precautions, please refer to the Technical Bulletin "[Styrenics - Technical data sheets](#)" and to the "Extir Safety Data Sheets".

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All indicated data refer to natural grades.

The data, information and suggestions are provided for guidance purposes only.

The Company accepts no responsibility for the results obtained therefrom, as neither for their utilization in infringement of possible patent rights. However the Company will provide the guaranteed values for each product on demand.