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TECHNICAL DATA SHEET

Extir®
Expandable polystyrene

LN 2000

Product description

Extir LN 2000 belongs to a new expandable product family, the Leonardo Series, with improved processing features: high expandability, high moulding productivity, wide processing area, optimal fusion and mechanical strength, excellent item finishing.

This new family of products aims to join together the best properties of all the traditional products, such as the A, B and C grades.

Extir LN 2000 can be used for the production of any kind of shaped mouldings with thin sections.

Technical data

Bulk density	kg/m ³	590 - 630
Particle size	mm	0.4 - 0.75
Minimum apparent density		
• on a continuous pre-expander after one expansion	kg/m ³	18
• on a continuous pre-expander after two expansions	kg/m ³	N
• on a discontinuous pre-expander	kg/m ³	16
Density range normally used	kg/m ³	17 - 30

Applications

Extir LN 2000 is used mainly in the packaging sector.

Due to its mechanical and aesthetical features, added to high cycle speed, Extir LN 2000 is suitable for any application requiring strength and high productivity. It is moreover suitable for food contact.

Typical applications are:

- cheese boxes
- seed trays
- industrial packaging
- boxes for marbles or tiles



Processing

Extir LN 2000 can be easily prefoamed from 17 to 30 kg/m³, it can be anyway be used at higher densities.

The ageing time before moulding is typical of standard industrial practice; from 6 to 72 hours are recommended depending on the density and ambient conditions.

Moulding on any type of EPS machine is easy, regular and the resulting items satisfy the application needs over a wide range of steaming conditions.

General information

It is recommended to keep the product in a dry well ventilated store between 15÷20°C. For product packaged in octabins the guaranteed shelf-life is one month; product in steel drums has a six months guaranteed shelf-life.

During the processing of Expandable Polystyrene any sparks or naked flames must be avoided and smoking should be forbidden. An adequate electrical earthing of machinery and of pneumatic transport lines is recommended.

For further information concerning storage, packaging and processing precautions please refer to "Styrenics - Technical data sheets" and to the "Extir Safety Data Sheet".

This grade complies by composition with the requirements set by the main regulations for plastics intended for food contact (including the Commission Regulation EU 10/2011).

