

## Leonardo LN 1500

Technical data sheet  
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Fast cycles - Excellent sintering - Optimal surface appearance- Food contact applications

Extir Leonardo LN 1500 is a white expandable polystyrene with a fine beads size. The new size distribution of Extir Leonardo LN 1500 allows to obtain products that require both a high definition of details and excellent mechanical performance.

### Applications

Extir Leonardo LN 1500 is suitable for the production of artifacts with complex shapes and very fine sections. Typical applications are:

- Seed trays
- Thin wall packaging
- Lightened mortars

### Technical Informations

Beads size	mm	0,3-0,75
Bulk density	kg/m <sup>3</sup>	590-630
Typical pentane content	%	<6,5
Minimum apparent density		
on a continuous pre-expander after one expansion	kg/m <sup>3</sup>	19
on a continuous pre-expander after two expansions	kg/m <sup>3</sup>	non appl.
on a discontinuous pre-expander	kg/m <sup>3</sup>	20
Usual density range	kg/m <sup>3</sup>	20-30

For more information, please contact [info.styrenics@versalis.eni.com](mailto:info.styrenics@versalis.eni.com)

### Processing

Extir LN range products can be processed in three steps.




- Pre-expansion** Extir Leonardo LN 1500 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 climate conditions.
- Molding** Extir Leonardo LN 1500 can be block molded in any type of EPS mold over a wide range of vaporization conditions.

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

### Certifications

Extir Leonardo LN 1500 is suitable for contact with food 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 from delivery
-  The boards and molded parts made of Leonardo LN 1500 should not be exposed to solar radiation and packed in transparent film. The use of an opaque or white film is strongly recommended.

### Safety

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".