

## Polimeri Europa Extir® LN 3000 Expandable Polystyrene

Category : Polymer , Thermoplastic , Polystyrene (PS) , Expanded Polystyrene (EPS)

### Material Notes:

Extir LN 3000 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 strenght, 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 3000 can be used for the production of shaped mouldings and blocks. Applications: Extir LN 3000 is used for both shape and block moulding. Due to its high mechanical performances Extir LN 3000 is suitable for any application requiring flexibility and high compressive strength. It is moreover suitable for food contact. Typical applications are: • fish, fruit/vegetable, poultry and cheese boxes • industrial packaging • medium / high density blocks for boards or profiles cutting. 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 sparkle or flame must be avoided and smoking should be forbidden. An adequate electrical grounding 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 EEC directive 90/128). Processing: Extir LN 3000 can be easily prefoamed from 16 to 30 kg/m<sup>3</sup>, 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. Information provided by Polimeri Europa

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Extir-LN-3000-Expandable-Polystyrene.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Extir-LN-3000-Expandable-Polystyrene.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.590 - 0.630 g/cc	0.0213 - 0.0228 lb/in <sup>3</sup>	
Density	0.0160 - 0.0300 g/cc	0.000578 - 0.00108 lb/in <sup>3</sup>	
Apparent Bulk Density	0.0150 g/cc	0.000542 lb/in <sup>3</sup>	On a discontinuous pre-expander
	0.0160 g/cc	0.000578 lb/in <sup>3</sup>	On a continuous pre-expander after one expansion
Particle Size	700 - 1000 µm	700 - 1000 µm	

## Contact Songhan Plastic Technology Co.,Ltd.

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