

## Polimeri Europa Extir® LN 5000 Expandable Polystyrene

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

### Material Notes:

Extir LN 5000 belongs to the product family, the Leonardo Series, with these features: high expandability, high moulding productivity, wide processing area, optimal fusion and mechanical strength, excellent item finishing. Extir LN 5000 improves the main features of the traditional A 5000, combined with lower steam consumption. Extir LN 5000 can be used for the production of blocks over a wide density range. Applications: Extir LN 5000 is a versatile product with good expandability used for block-cut items with good aesthetic and thermal insulation properties. Typical applications are: • blocks for thermal insulation (internal wall, floor, roof) • void formers, trough formers and culvert formers cut from blocks • shop window dressing • cut or excavated packaging • boards and profiles for building, to be coupled with plasterboards, bitumen layers or metal plate. 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 5000 can be easily prefoamed from 13 to 25 kg/m<sup>3</sup> with only one expansion and down to 9 kg/m<sup>3</sup> after a second one. 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. When two expansions are performed, it is advisable to mature beads at least 3-6 hours between the two expansions. During block moulding, Extir LN 5000 can accept without difficulty up to 30 % of scrap material. Moulding is easy, regular and the resulting items satisfy the application needs over a wide range of steaming conditions. Fusion is excellent even if very low steam pressures are used, so allowing energy savings. Information provided by Polimeri Europa

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Extir-LN-5000-Expandable-Polystyrene.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Extir-LN-5000-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	0.0100 - 0.0250 g/cc	0.000361 - 0.000903 lb/in <sup>3</sup>	
Apparent Bulk Density	0.00900 g/cc	0.000325 lb/in <sup>3</sup>	On a continuous pre-expander after two expansions
	0.0130 g/cc	0.000470 lb/in <sup>3</sup>	On a discontinuous pre-expander
	0.0150 g/cc	0.000542 lb/in <sup>3</sup>	On a continuous pre-expander after one expansion
Particle Size	900 - 1600 µm	900 - 1600 µm	

**Contact Songhan Plastic Technology Co.,Ltd.**

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China