

**Polimeri Europa Extir® E 2000 AE Expandable Polystyrene (discontinued \*\*)**

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

**Material Notes:**

Extir E 2000 AE is a flame-retardant expandable polystyrene in the form of spherical beads of fine particle size, with a low pentane content as blowing agent. Extir does not contain CFC or HCFC. This grade is used for the very fast cycle production of thin section contour mouldings with a medium to very high density. It shows a very short maturing time, even at very high density, an excellent moulding processability, a good fusion, a good surface aspect and a very good dimensional stability. Applications: Extir E 2000 AE is used mainly in thin section, medium / high density packaging where, for legislative or safety reasons, the use of a flame retardant material is required. Typical applications are: • thin section packaging (from 5 to 10 mm) • decorative ceiling panels • baby/child safety seat 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". Regarding "flame retardant" properties, articles made from Extir AE are officially certified "B1 nach DIN 4102". The action of the flame retardant additive is exerted only after the elimination of blowing agent and, therefore, only after Extir AE has been transformed into foamed articles (suitably aged where necessary). Processing: Extir E 2000 AE can be easily pre-expanded on conventional equipment over a wide density range (from 22 to 60 kg/m<sup>3</sup>), despite its low pentane content. This product needs minimum maturation times (from 1 to 48 hours), even at high density. Moreover the steaming cycle is nearly not influenced by the maturation time. Due to excellent processability and low pentane content, it is possible to operate with very fast cycle times (mainly by reducing the cooling times) and with low steam pressures. Moulded items exhibit a very high fusion level, excellent surface finishing, good mechanical properties and an excellent dimensional stability. Extir E 2000 AE can be moulded on all types of shape moulding machines. Information provided by Polimeri Europa

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Extir-E-2000-AE-Expandable-Polystyrene-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Extir-E-2000-AE-Expandable-Polystyrene-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Bulk Density	0.590 - 0.630 g/cc	0.0213 - 0.0228 lb/in <sup>3</sup>	
Density	0.0230 - 0.0600 g/cc	0.000831 - 0.00217 lb/in <sup>3</sup>	
Apparent Bulk Density	0.0220 g/cc	0.000795 lb/in <sup>3</sup>	On a discontinuous pre-expander
	0.0240 g/cc	0.000867 lb/in <sup>3</sup>	On a continuous pre-expander after one expansion
Particle Size	400 - 750 µm	400 - 750 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**