

Polimeri Europa Extir® D 3000 AE Expandable Polystyrene (discontinued **)

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

Extir D 3000 AE is a flame-retardant expandable polystyrene in the form of spherical beads of medium particle size, containing pentane as blowing agent. Extir does not contain CFC or HCFC. Extir D 3000 AE is used for production of shaped mouldings with sections higher than 8 mm or medium density blocks. This grade is characterised by fast moulding cycles, good fusion and low energy needs combined with a high mechanical strength and a good surface finishing. Applications: Extir D 3000 AE is used mainly in medium section, medium / high density packaging where, for legislative or safety reasons, the use of a flame retardant material is required. It is also suitable for the production of skin moulded articles. Typical applications are: • industrial packaging, e.g. cathode ray tube protection • medium-high density blocks for thermal insulation • moulded panels for underfloor heating • moulded insulating drainage panels • moulded or block-cut building components. 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 spark 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 D 3000 AE can be easily pre-expanded over a wide density range from 16 to 35 kg/m³. The recommended ageing time before moulding obviously depends on the preexpanded density and ranges from 6 to 48 hours. Extir D 3000 AE can be moulded on both shape or block moulding machines. Information provided by Polimeri Europa

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeri-Europa-Extir-D-3000-AE-Expandable-Polystyrene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Bulk Density	0.590 - 0.630 g/cc	0.0213 - 0.0228 lb/in ³	
Density	0.0170 - 0.0350 g/cc	0.000614 - 0.00126 lb/in ³	
Apparent Bulk Density	0.0160 g/cc	0.000578 lb/in ³	On a discontinuous pre-expander
	0.0180 g/cc	0.000650 lb/in ³	On a continuous pre-expander after one expansion
Particle Size	600 - 1000 µm	600 - 1000 µm	

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