

Provisional Technical Data Sheet

Versalis Revive® EPS 5000 AE

Product description

Versalis Revive® EPS 5000 AE is the new grade of Versalis' Expandable Polystyrene portfolio. Following the circular economy approach Versalis Revive® EPS 5000 AE has been developed for a new era of sustainable EPS for building: it contains the 10% of secondary raw material and a lower pentane content for the lower emissions. Versalis Revive® EPS 5000 AE contains also a flame retardant which makes it suitable for building applications. The narrow bead size distribution lead to a very smooth surface and very good fusion from bead to bead. The color of the expanded beads is a very light grey.

Technical data

Bulk density	kg/m ³	590 - 630
Particle size	mm	0,9 - 1,6
Minimum apparent density		
• on a continuous pre-expander after one expansion	kg/m ³	17
• on a continuous pre-expander after two expansions	kg/m ³	11
• on a discontinuous pre-expander	kg/m ³	15
Density range normally used	kg/m ³	11-20

Applications

Versalis Revive® EPS 5000 AE is recommended for easy-shape and block molding for general purpose insulation

Processing

Versalis Revive® EPS 5000 AE can be processed with standard equipments using very similar processing conditions to those used for conventional products. Versalis Revive® EPS 50 00 AE can be moulded in blocks and cut in to boards for insulation. The resulting items show good fusion, lowshrinkage and a smoother surface finish.

General information

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 month guaranteed shelf-life. During processing of Expandable Polystyrene any sparks or naked flames must be avoided and smoking should be forbidden. Adequate electrical earthing of machinery and of pneumatic conveyance lines is recommended. For further information concerning storage, packaging and processing precautions please refer to "Styrenics - Technical data sheets" and to the "Extir Safety DataSheet".

Regarding "flame retardant" properties, Versalis Revive® EPS 5000 AE raw material is undergoing certification of Euroclass E according to EN 13163 Annex E. The action of the flame retardant additive is exerted only after the elimination of blowing agent and, therefore, only after Versalis Revive® EPS 5000 AE has been transformed into foamed articles (suitably aged where necessary).

All indicated data refer to natural grades.

The data, information and suggestions are provided for guidance purposes only.

The Company accepts no responsibility for the results obtained therefrom, as neither for their utilization in infringement of possible patent rights.

On the subject of the experimental product the Company reserves the right to change without prewarning the characteristics to optimize the performance and the cost.

This Sheet is valid for six month from the revision date.

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