

STYREX R Expandable Polystyrene**General description**

STYREX EPS R type is an expandable polystyrene for shape moulding and block moulding applications, consisting of free-flowing spherical beads and containing pentane as expansion agent.

Product	Bead Size Range 95% between	Applications
406RC	0,35-0,7 mm	Production of expanded foam moldings with thin walls
607RC	0,5-0,8 mm	Production of expanded foam moldings with wall thickness > 6 mm
710RC	0,6-1,1 mm	Production of expanded foam moldings with wall thickness > 8 mm
1012RC	0,9-1,4 mm	Production of expanded foam blocks or thick walled moldings

Processing guidelines

Product	Typical density range	Recommended intermediate aging period
406RC	30-60 kg/m ³	24-48 h
607RC	23-50 kg/m ³	24-48 h
710RC	20-30 kg/m ³	24-48 h
1012RC	15-25 kg/m ³	24-48 h

Detailed processing advice can be provided on request.

Pre-expansion

With state-of-the art prefoaming equipment the above mentioned densities can be reached. Lower densities possible with 2nd pre-foaming step.

Moulding

STYREX R materials can be processed on commercial block moulds or shape-moulding equipment.

Transport, packaging and storage

STYREX EPS is classified as dangerous goods UN2211, Class 9.

STYREX EPS is delivered in 1050KG cardboard octabins on pallets. The octabins should always be stored in a dry and cool place (< 20grC) and be protected from weather (rain, wind, frost, sun etc).

For safety reasons octabins should not be placed on each other.

The material should be used up within 3 months after delivery. After opening of the packaging it should be used up as soon as possible.

Safety notes

Due to the pentane present in EPS flammable mixtures can be formed during storing and processing. It is recommended to provide sufficient floor-ventilation and to avoid sources of ignition. Further information can be found in the Material Safety Data Sheet.

Food applications

STYREX R types are certified for products in direct contact with food.

Details can be provided on request.

Quality

We operate a system of Good Manufacturing Practice, and our Quality Management System is certified to ISO 9001:2015 and ISO 14001:2015.

N.B.

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