

Description

Excell•R® is a light grey colour expandable polystyrene (EPS) product intended for the production of foams with improved thermal insulation properties compared to conventional EPS.

Applications

Excell•R® can be processed into foamed insulation boards & shaped articles, with improved thermal insulation properties. Typical applications are foamed insulation boards; plaster covered insulation boards, sandwich panels & cavity wall filling. EPS XLR 5350 does not contain a flame retardant. Product intended for normal use in accordance with the applicable legislation with regard to the reaction to fire.

Properties

Beads	Standard	Unit	Value
Typical bead diameter		mm	1.25
Bead size diameter distribution (0.9 – 1.6 mm)		%	> 90
Typical bulk density		g/l	625
Blowing agent			
Type			Pentane
Approximate quantity at time of packaging		%	< 5.6
Typical			
Moisture content		%	< 0.3
Typical beads apparent density obtainable in single pre-foaming		g/l	16-18
Typical beads apparent density obtainable in two step pre-foaming		g/l	10-12

Handling

- ✓ Packaging: standard packaging is in cardboard octabins of 1100 kg with inner liner mounted on heat treated pallets.
- ✓ Shipping Classification: ADR - UN2211 Class 9.
- ✓ Storage: product should be stored in a ventilated area isolated from source of direct heat, with no direct exposure to weather. Octabins should be kept sealed prior to use; product should be processed within three months.
- ✓ End product: finished articles should be kept in ventilated cool area, and packaged maintaining air flow, without direct exposure to sunlight. The use of non-transparent packaging is recommended.

General Information

- ✓ EPS XLR 5350 is not suitable for Food Contact applications.
- ✓ It is important to read the Material Safety Data Sheet before use – available at request.
- ✓ Please contact our technical office for more details.

DISCLAIMER

Information contained in this publication is true and accurate at the time of publication and to the best of our knowledge. The nominal values stated herein are obtained using laboratory test specimens. Before using one of the products mentioned herein, customers and other users should take all care in determining the suitability of such product for the intended use, and particularly the conformity with current regulations. TOTAL PETROCHEMICALS & REFINING do not recommend its polystyrene resins for use in any application in direct or indirect contact with human body fluids and tissues. The Companies within TOTAL PETROCHEMICALS & REFINING do not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein. No information contained in this publication can be considered as a suggestion to infringe patents. The Companies disclaim any liability that may be claimed for infringement or alleged infringement of patents.

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Excell•R® can be processed into foamed insulation boards & shaped articles, with improved thermal insulation properties. Self extinguishing (SE) grades such as EPS XLR 5359SE contain a flame retardant additive for applications such as insulation foamed boards, outdoor wall insulations (ETICS), cavity wall filling & insulated concrete forms (ICF). Product intended for normal use in accordance with the applicable legislation with regard to the reaction to fire.

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Typical beads apparent density obtainable in two step pre-foaming		g/l	10-12
Flammability Class	DIN 4102 EN 13501-1 Fire behavior LNE-referential		B1 Euroclass E Compliant

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