Technical Data Sheet
Expandable Polystyrene beads – Excell•R®
Manufactured in Europe

Description

Excell•R® is a 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. Self extinguishing (SE) grades such as EPS XLR 5559SE 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.

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
Flammability Class	DIN 4102 EN 13501-1 Fire behavior LNE-referential		B1 Euroclass E Compliant

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 5559SE 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.

TOTAL RESEARCH & TECHNOLOGY FELUY
Zone industrielle Feluy C
B-7181 SENEFFE
BELGIQUE

Contact: Global Insulation Technical Service
Email: insulation@total.com

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