


TotalEnergies

Refining & Chemicals
Polymers

EPS XLR 5359SE

Technical data sheet
Expandable Polystyrene beads – Excell-R®
Produced in Europe

Description

EPS XLR 5359SE 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.

EPS XLR 5359SE 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.

Characteristics

Beads	Standard	Unit	Typical 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

Expandable Polystyrene

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Handling and storage

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.

Please refer to the safety data sheet (SDS) for more handling and storage information.
SDS may be obtained from the website: www.polymers.totalenergies.com.

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