TotalEnergies
Refining & Chemicals
Polymers

EPS XLR 5550

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

Description

EPS XLR 5550 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.

EPS XLR 5550 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 5550 does not contain a flame retardant. 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

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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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