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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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