



**TotalEnergies**

Refining & Chemicals  
Polymers

### Description

EPS XLR 5559SE 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 5559SE 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.

### 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
<b>Blowing agent</b>			
Type			Pentane
Approximate quantity at time of packaging		%	< 5.6
<b>Typical</b>			
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

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. These are typical values not to be construed as specification limits. 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. Unless specifically indicated, the products mentioned herein are not suitable for applications in the pharmaceutical or medical sector. The Companies within TotalEnergies Petrochemicals 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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## 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](http://www.polymers.totalenergies.com).

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