



TotalEnergies

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EPS XLR 5559SE

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

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
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