

Closed cell Polyethylene foam, CFC and HCFC free

Product Description

Stratocell® R is a closed-cell polyethylene foam manufactured by Sealed Air Corporation, containing recycled content of at least 55% pre-consumer recycled resin and at least 10% internally recycled content. The product maintains consistent dimensional stability and performance characteristics comparable to non-recycled product, allowing in most cases the retention of existing design specifications without the need for redesign. The product is recyclable at end of life.

Physical Properties

Property	Test Method	Unit	Typical Value
Density	ASTM D3575-08 Suffix W / ISO 845:2006	Kg/m ³	24
Compressive Strength Vertical @ 25%	ASTM D3575-08 Suffix D / ISO 7214:2007 (100mm/min)	KPa	40
Compressive Strength Vertical @ 50%	ASTM D3575-08 Suffix D / ISO 7214:2007 (100mm/min)	KPa	90
Compressive Strength 25% (4th compression)	ISO 3386 1986 part 1 / DIN 53577 (100mm/min)	KPa	25
Compressive Strength 50% (4th compression)	ISO 3386 1986 part 1 / DIN 53577	KPa	80
Compressive Strength 70% (4th compression)	ISO 3386 1986 part 1 / DIN 53577	KPa	200
Compression Set	ASTM D3575-08 Suffix B (50% Compression)	%	< 10
Compressive Creep (1psi - 7kg/dm ²) - 168 hrs	ASTM D3575-08 Suffix BB	%	< 10
Compressive Creep (1psi - 7kg/dm ²) - 1000 hrs	ASTM D3575-08 Suffix BB	%	< 15
Cell Size	BS 4443/1 Met.4	Cells/25mm	≥ 21
Tensile Strength @ peak (MD/CD)	ASTM D3575-08 Suffix T / ISO 1798:2008	KPa	195 / 175
Tensile Elongation (MD/CD)	ASTM D3575-08 Suffix T / ISO 1798:2008	%	68 / 58
Thermal Conductivity	ASTM C-177 / ISO 8301	W/mK	0.055
Water Absorption	ASTM D3575-08 Suffix L / ISO 2896:1986	Volume %	< 3
Thermal Stability (24hrs at 70°C)	ASTM D3575-08 Suffix S / ISO 2796	%	< 2
Tear Strength (MD/CD)	ASTM D3575-08 Suffix G	N/cm	15 / 13

Note: The data presented above are Typical Physical Properties for unfabricated Stratocell® R product, as published by the manufacturer. These values should not be construed as binding specification limits. For official material approvals, regulatory compliance testing, or a Certificate of Conformity requiring direct manufacturer verification, please request the original official document from Edline.