

Stratocell® Whisper™ FR

PRODUCT SPECIFICATION SHEET

CLOSED CELL POLYETHYLENE FOAM

Physical Properties	Test Method	Unit	Value
Nominal Density	ASTM D3575-08 Suffix W ISO 845:2006	Kg/m ³	25
Compressive Strength Vertical @ 25% Vertical @ 50%	ASTM D3575-08 Suffix D ISO 7214:2007	KPa	7 12
Compressive Strength 25% (4th compression) 50% (4th compression) 70% (4th compression) (100mm/min compression speed)	ISO 3386 1986 part 1 DIN 53577	KPa	3 7 25
Compression Set	ASTM D3575-08 Suffix B (50% Compression) ISO 1856:2000 (25% compression)	%	< 30 < 20
Cell Size	BS 4443/1 Met.4	Cells/25mm	< 10
Fire-test-response Characteristics (1) Building & Construction	ISO 9705 - 1993	Group	1-S NZBC Verification Method C/VM2 Appendix A
	AS ISO 9705 - 2003 BRANZ Fire Test FI 5558-TT AS2122.1-1993	Group	1 NCC Specification C1.10
Transportation	TS EN 45545-2 NF F 16-101 DIN 54837	Class Class -	On going F1 S3, SR2, ST2
Automotive Appliances & Electronics	FMVSS 302 UL94	Class Class	Pass HF1
Water Pick Up by Diffusion (RH > 95% - after 28 days)	UNI EN 12088	Kg/m ²	< 3
Water Pick Up by Diffusion (RH > 95% - after 28 days)	UNI EN 12088	Volume %	< 5
Thermal Conductivity @ 23°C @ -5°C	ASTM D3575-08 Suffix V ISO 8301	W/mK	0.104 0.082
Thermal stability (24hrs at 70°C)	ASTM D3575-08 Suffix S ISO 2796	%	< 3
Tensile Strength @ Peak	ASTM D3575 Suffix T ISO1798	KPa	130
Tensile Elongation	ASTM D3575 Suffix T ISO1798	%	60
VOC Emissions	AFNOR NF EN ISO 16000-9	Class	A+
Recycling	Recycle used uncontaminated Stratocell Whisper™ FR product to minimise landfill.		
MSDS	Available upon request		

(1) These numerical laboratory fire-test-response characteristics are not intended to reflect hazards presented by this material under actual fire conditions