

Physical Properties	Test Method	Unit	Typical Physical Properties
Nominal Density	ASTM D3575-08 Suffix W ISO 845:2006	Kg/m <sup>3</sup>	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) Transportation	EN 45545-2 EN 45545-2 EN 45545-2 NF F 16-101	R10 R1 R7 Class	HL1-3 - for flooring HL1-2 - for walls and ceilings HL1-3 - for interior surfaces / air ducts F1
Automotive	DIN 54837 FMVSS 302	-	S3, SR2, ST2 Pass
Building & Construction	DIN 4102 EN 13501-1	Class Class	B1 B-s1-d0 for 20-30mm, B-s2-d0 for 40-100mm
Water Pick Up by Diffusion (RH > 95% - after 28 days)	UNI EN 12088	Kg/m <sup>2</sup>	< 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+
Working temperature	-	°C	-60 +80
Airflow Resistance	UNI EN 29053:1994	Pa.S/m <sup>3</sup> = Rayls/m <sup>2</sup>	510,000 (25mm) 2,785,000 (50mm)

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

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