


TECHNICAL SPECIFICATION

TECNO-PACK W FR



General

Low density polyethylene foam with a flame retardant additive and special cellular structure which significantly improves their acoustic properties.

Delivery forms

Standard Colours	White or black
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Shape	Thickness (mm)	Wide (mm)	Length (mm)
Sheets	20, 25, 30, 40 and 50	1.200	2.400

*Ask us for other supply forms.

Applications

Cushion/ Padding					
Packaging/ protection					
Medic/ Orthopaedics					
Leisure					
	Insulation				
	Soundproofing	Sound absorption	Sound insulation		
	Tightness join				
	Filtration				


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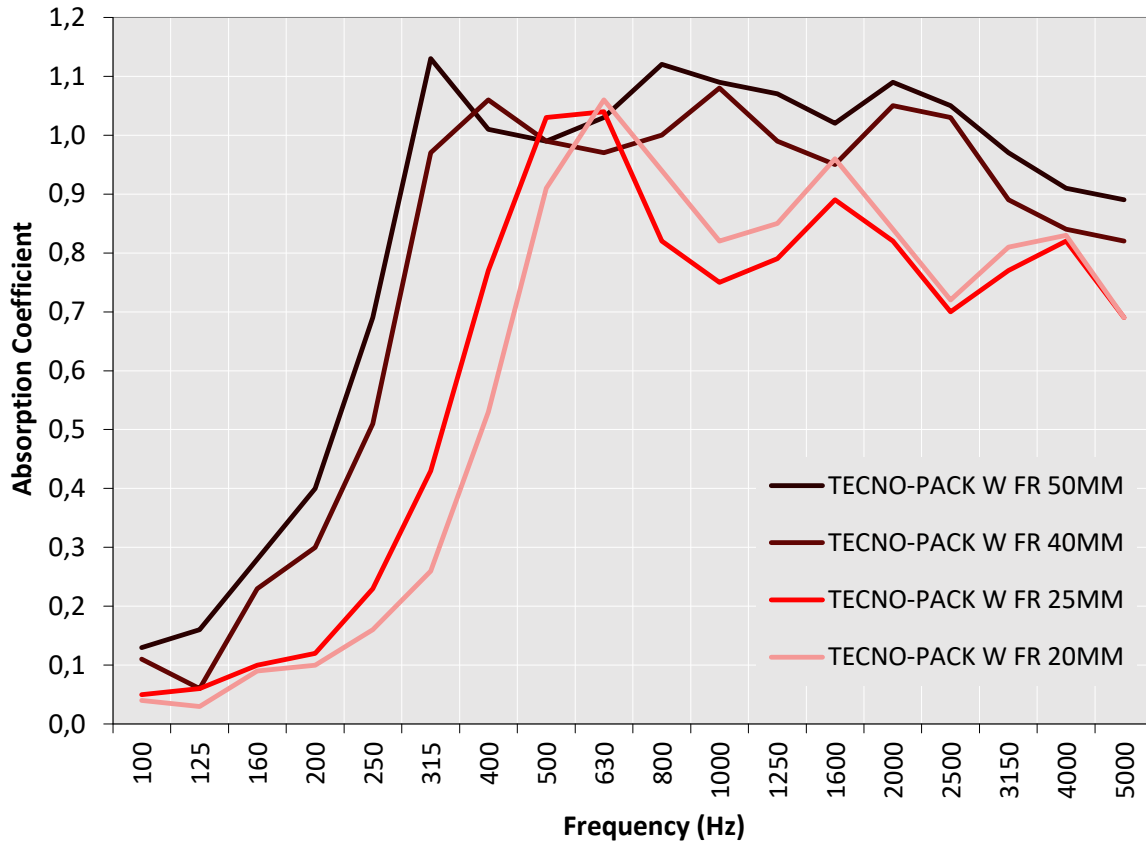
CHARACTERISTIC	SPECIFICATION	UNIT	METHOD
Density	25	Kg/m ³	ISO 845
Thickness tolerance	Nominal (- 0 / +16%)		
Cell size	< 10	Cells/25mm	BS 4443/1
Tensile Strength	130	kPa	ISO 1798
Elongation	60	%	ISO 1798
Compression Stress-Strain			
25% compression	3	kPa	ISO 3386-1
50% compression	7	kPa	ISO 3386-1
70% compression	25	kPa	ISO 3386-1
Compression set (22h charge at 23°C)			
25% compression	< 20	%	ISO 1856
50% compression	< 30	%	ASTM D3575-B
Thermal Conductivity at -5°C	0,082	W/m ² K	ISO 8301
Thermal Conductivity at 23°C	0,104	W/m ² K	ISO 8301
Dimensional stability (after 24h at 70°C)	< 3	%	ISO 2796
Water pick up by Diffusion (RH>95% - after 28days)	< 3	Kg/m ²	EN 12088
Water pick up by Diffusion (RH>95% - after 28days)	< 4	Vol.%	EN 12088
Fire behaviour			
Automotive	< 100	mm/min	FMVSS 302
Railway	S3, SR2 ST2		DIN 54.837
R1 – HL1 (thickness 20-50mm)			EN 45545-2
R9 / R10 - HL2 (thickness 50mm)			EN 45545-2
Smoke behaviour	F1		NF F 16.101
Electrical appliances	HF1		UL94
Building	B1		DIN 4102
Bs1d0 (thickness 20mm)			EN 13501-1
Bs2d0 (thickness 50mm)			EN 13501-1
Marine (oxygen index)	28,6	%	ISO 4589-2
	26	%	ISO 4589-3
VOC Emissions	Class A+		NF EN ISO 16000-9
Resistance to Fungi	Rating 1		ASTM C1338-08

This information is presented to the best of our knowledge; you should contact us in order to be sure that this technical data sheet is the last version. Data represents common and averaged values and should be considered as a guideline but cannot be regarded as an engagement from our side.


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Sound Absorption (Reverberation room)

Comparative sound absorption in 1/3-octaves, according to ISO 345


Sound Insulation

The **sound transmission loss** values from the products give in the following list, are simply indicative values as a comparative between them, due they had not been tested according to any specifically standard.

PRODUCTS	R (dBA)
TECNO-PACK W FR 20MM	6,6
TECNO-PACK W FR 30MM	7,3
TECNO-PACK W FR 50MM	8,5

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