



SINCE
1950

ENVIZOL VS/TB FR

Thermal and acoustic insulation board



Characteristics: Nonwoven thermally bonded textile, made by airlay technology, for thermal and acoustic insulation applications in house appliances and equipments.

Material content: 50% VS rec. FR
30% rec. PES
20% Bico

Color: Multicolor

Fire classification: UL 94 HBF, needle flame test, GWFI & GWIT

Properties:



Regular Use: Acoustic and thermal insulation for washing machines, dryers, dishwashers and refrigerators



Material Specification

Date of Issue: 06.11.2025



TRADITIONAL QUALITY NONWOVENS

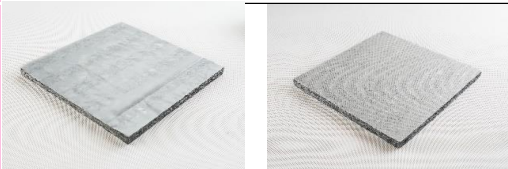
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Technical parameters

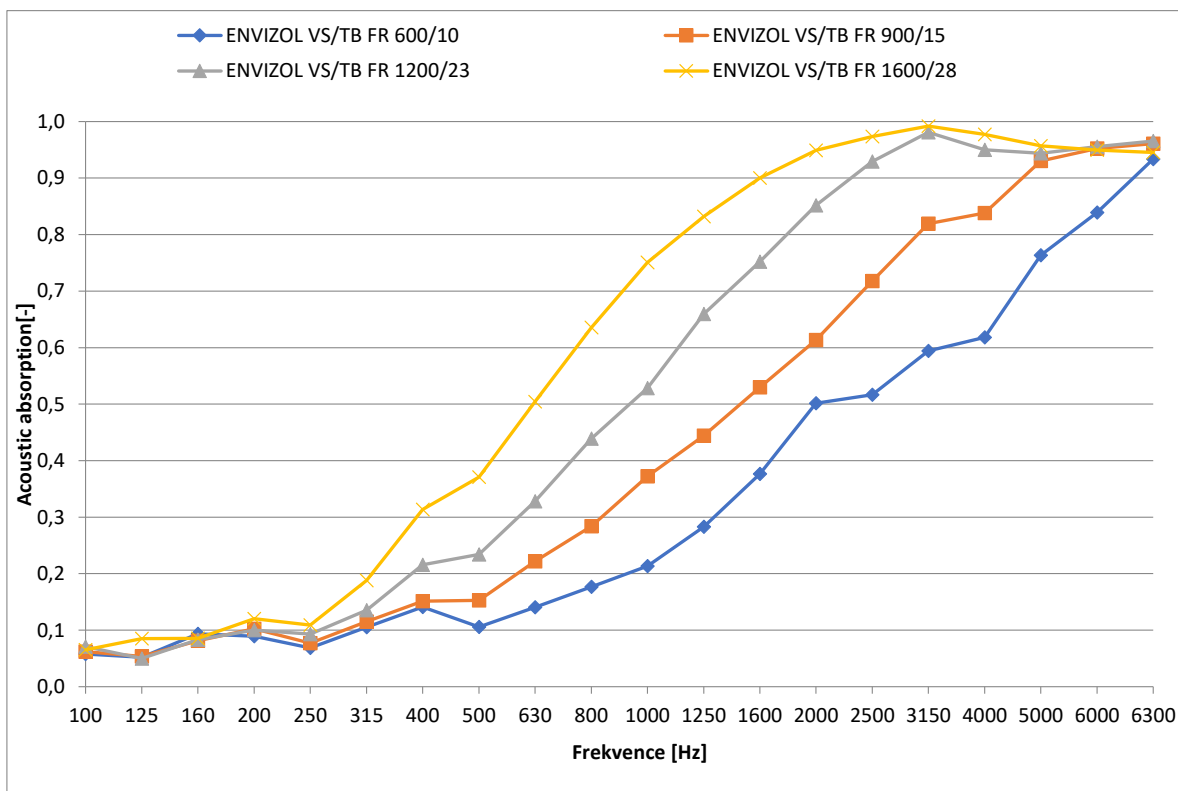
	ENVIZOL SB	TL 10	TL 15	TL 23	TL 28	Tolerance
PHYSICAL PROPERTIES						
Mass per unit area [m _s] / EN ISO 9864	g/m ²	600	900	1200	1600	±15%
Density [ρ] / EN 1602	kg/m ³	60	60	52	57	±15%
Thickness / ČSN 823	mm	10	15	23	28	±15%
SOUND INSULATION PROPERTIES						
Accoustic absorption / ČSN ISO 10534-1	Attachment No. 1					
THERMAL INSULATOIN PROPERTIES						
Thermal conductivity [λ] / ČSN EN 12667	W/(m.K)	0,032				
FIRE CLASSIFICATION						
UL 94 Čl.12	HBF, HF - 1, HF - 2					
ČSN EN 60695-11-5 ed.2	horizontal & vertical 30s					
ČSN EN IEC 60695-2-10 ed.3, ČSN EN IEC 60695-2-12 ed.3, ČSN EN IEC 60695-2-13 ed.3	GWIT: 800, GWFI: 960					
OPTIONAL SURFACE FINISHING						
Type: Top layer spunbond or spunlace 40 - 150 g/m ² Bottom layer self adhesive full or stripes 50 - 100 g/m ²						
DIMENSIONS						
Delivered format		cutted board on request				
PACKAGING AND STORAGE						
Packing	on request					
Storage	In covered, clean and dry spaces					

All dates are for informative purpose only - this Specification does not substitute Declaration of conformity or Product Certificates.

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Acoustic absorption / ČSN ISO 10534-1



f [Hz]	600/10	900/15	1200/23	1600/28
100	0,06	0,06	0,07	0,07
125	0,05	0,05	0,05	0,09
160	0,09	0,08	0,08	0,09
200	0,09	0,10	0,10	0,12
250	0,07	0,08	0,09	0,11
315	0,11	0,12	0,14	0,19
400	0,14	0,15	0,22	0,31
500	0,11	0,15	0,23	0,37
630	0,14	0,22	0,33	0,50
800	0,18	0,28	0,44	0,64
1000	0,21	0,37	0,53	0,75
1250	0,28	0,44	0,66	0,83
1600	0,38	0,53	0,75	0,90
2000	0,50	0,61	0,85	0,95
2500	0,52	0,72	0,93	0,97
3150	0,59	0,82	0,98	0,99
4000	0,62	0,84	0,95	0,98
5000	0,76	0,93	0,94	0,96
6000	0,84	0,95	0,96	0,95
6300	0,93	0,96	0,97	0,95