



SINCE
1950

TRADITIONAL QUALITY NONWOVENS

ENVIZOL SH

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: 20% polyester bicomponent fibers
20% polyester recycled fibers
60% Textile secondary raw materials

Color: Multicolor

Fire classification: EN 60695-2-10 ed.2, EN 60695-12 ed.2/A1, EN 60695-13 ed.2/A1

Properties:



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



Material Specification

Date of Issue: 30.7.2024

Quality Management System ISO 9001, ISO 14001, ISO 45001 and ISO 50001

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Technical parameters

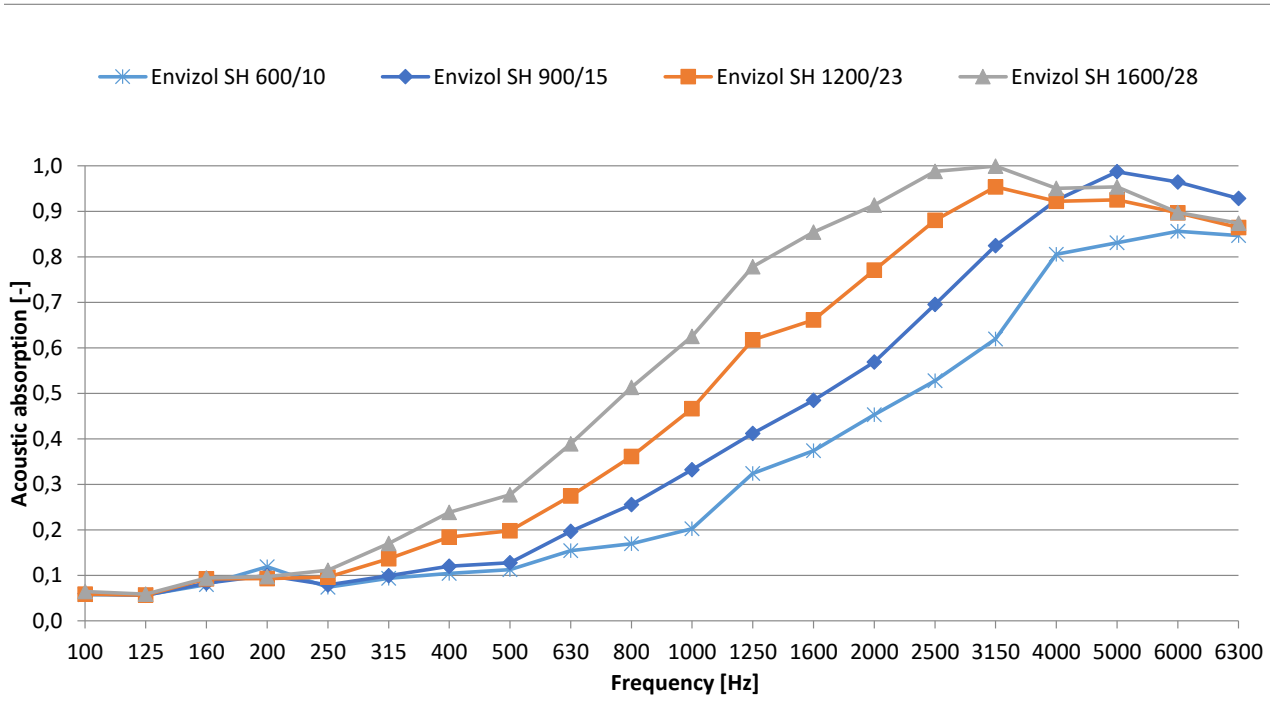
	ENVIZOL SH	TL 10	TL 15	TL 23	TL 25	TL 28	Tolerance
PHYSICAL PROPERTIES							
Mass per unit area [m _s] / EN ISO 9864	g/m ²	600	900	1200	1400	1600	±15%
Density [ρ] / EN 1602	kg/m ³	60	60	52	56	57	±15%
Thickness / ČSN 823	mm	10	15	23	25	28	±15%
SOUND INSULATION PROPERTIES							
Acoustic absorption / ČSN ISO 10534-1	Attachment No. 1						
THERMAL INSULATION PROPERTIES							
Thermal conductivity [λ] / ČSN EN 12667	W/(m.K)	0,033					
FIRE CLASSIFICATION							
Reaction to fire / EN 60695-2-10 ed.2, EN 60695-12 ed.2/A1, EN 60695-13 ed.2/A1	GWFI: 650°C, GWIT: 675°C						
HAZARDOUS SUBSTANCES							
RoHS	Approved / Protocol No. PR2284289						
CO ₂	Cradle to gate: protocol from 08/2022						
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	0,06	0,06
125	0,06	0,06	0,06	0,06
160	0,08	0,08	0,09	0,09
200	0,12	0,10	0,09	0,10
250	0,07	0,08	0,10	0,11
315	0,09	0,10	0,14	0,17
400	0,10	0,12	0,18	0,24
500	0,11	0,13	0,20	0,28
630	0,15	0,20	0,27	0,39
800	0,17	0,26	0,36	0,51
1000	0,20	0,33	0,47	0,63
1250	0,32	0,41	0,62	0,78
1600	0,37	0,48	0,66	0,85
2000	0,45	0,57	0,77	0,91
2500	0,53	0,70	0,88	0,99
3150	0,62	0,82	0,95	1,00
4000	0,81	0,92	0,92	0,95
5000	0,83	0,99	0,92	0,95
6000	0,86	0,96	0,90	0,90
6300	0,85	0,93	0,86	0,87