



SINCE
1950

TRADITIONAL QUALITY NONWOVENS

ENVIZOL TB

Thermal and acoustic insulation board



Characteristics: Nonwoven thermally bonded textile, made with the Airlay technology, for thermal and sound insulation applications for industrial equipment

Material content: Recycled polyester fibers and BICO co-polyester binder fibers

Colour: Grey

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

Properties:



THERMAL
INSULATION



ACOUSTIC
ABSORPTION



MADE FROM
RECYCLED MATERIALS



HIGH DIMENSIONAL
STABILITY



FLEXIBILITY



RESISTANCE TO
MECHANICAL DAMAGE



NO HAZARDOUS
CHEMICALS



NO IRRITATION OF
RESPIRATORY TRACT



NO SKIN
IRRITATION

Regular Use: interior thermal insulation of industrial equipment or technological units



INDUSTRIAL
EQUIPMENTS

Material specification

Date: 24. 4. 2021

No.: I-011-1



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Technical parameters

	ENVIZOL TB OH 26	TL 40	TL 50	TL 60	TL 75	TL 80	TL 100	Tolerance
PHYSICAL PROPERTIES								
Mass per unit area [m _s] / EN ISO 9864	g/m ²	1100	1300	1560	1950	2080	2600	±15
Density [ρ] / EN 1602	kg/m ³	26						±15
Thickness / ČSN 823	mm	40	50	60	75	80	100	-5% +10%
SOUND INSULATION PROPERTIES								
Acoustic absorption / ČSN ISO 10534-1	Attachment No. 1							
THERMAL INSULATION PROPERTIES								
Thermal conductivity [λ] / ČSN EN 12667	W/(m.K)	0,035						
Specific heat capacity [c] / ČSN 730540-3	J/(kg.K)	1250						
Thermal resistance [R]	(m ² .K)/W	1,14	1,43	1,71	2,14	2,29	2,86	
Heat transfer coefficient [U]	W/(m ² .K)	0,76	0,63	0,53	0,43	0,41	0,33	
DISTRIBUTION OF MOISTURE								
Water vapour diffusion resistance factor [μ] / EN 13162		1,5						
WATER ABSORPTION								
Short-term water absorption [W] / EN1609 (ČSN EN ISO 29767)	kg/m ²	< 0,8						
FIRE CLASSIFICATION								
Reaction to fire / EN 13501-1+A1		E						
DIMENSIONS								
Delivered format		deska						
Width	cm	60						±1%
Length	cm	120						±3%
PACKAGING AND STORAGE								
Packing	The boards are placed on a non-returnable wooden pallet. The pallet is wrapped with stretch foil.							
Pallet dimensions [wxlxh]	cm	120x120x250						
Number of boards per bag	ks	120	96	76	62	58	48	
Number of boards per pallet	m ²	86,4	69,12	54,7	43,2	41,8	34,56	
	kg	110	110	110	110	110	110	
Storage	In covered, clean and dry spaces							

The data was measured at the laboratories of RETEX a.s., VUT Brno and CSI Prague in 2020.

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