



SINCE
1950

TRADITIONAL QUALITY NONWOVENS

ENVIZOL TB AT

Acoustic and thermal insulation



Characteristics: Nonwoven thermobonded textile designed for acoustic and thermal insulation - automotive

Material content: Recycled polymer fibers and BICO fibers

Colour: Grey melange

Certification: Quality Management System IATF 16949, ISO 9001, ISO 14001, ISO 45001 and ISO 50001

Properties:



EASY RELEASE
OF SELFADHESIVE



NO HAZARDOUS
CHEMICALS



MADE FROM
RECYCLED MATERIALS



NO
BIODEGRADATION

Function:



ACOUSTIC
ABSORPTION



THERMAL
INSULATION

Use:



AUTOMOTIVE

Material Specification

Date of Issue: 6. 11. 2019

No.: I-004-1



TRADITIONAL QUALITY NONWOVENS

Material Specification

Date of Issue: 6. 11. 2019

No.: I-004-1

ENVIZOL TB AT

Acoustic and thermal insulation

Technical parameters

	ENVIZOL TB	500 TL10	650 TL10	800 TL10	700 TL12	800 TL15	1000 TL20	Tolerance
PHYSICAL PROPERTIES								
Mass per unit area / EN 29073-1	g/m ²	500	650	800	700	800	1000	± 15%
Thickness / ČSN EN 9073-2 0,5 kPa	mm	10	10	10	12	15	20	± 10%
MECHANICAL PROPERTIES								
Tensile strenght / ČSN EN 29073-3	N	15	29	46	34	36	51	± 20%
		21	45	50	46	47	96	± 20%
SOUND INSULATION PROPERTIES								
Sound absorption / ČSN ISO 10534-1	Attachment No. 1							
THERMAL INSULATOIN PROPERTIES								
Thermal conductivity - laboratory humidity / ČSN EN 12667	W/m.K	0,032	0,032	0,032	0,032	0,032	0,032	
FIRE CLASSIFICATION								
Flammability / TL1010	mm/min	< 50	< 50	< 50	< 50	< 50	< 50	
OPTIONAL SURFACE FINISHING								
Type	Acoustic cellulose, Acoustic vlies, Selfadhesive							
OTHERS								
Expected functionality of the product	From -35°C to 100°C							
Emission test VW 50180	Carry out on the finished part after self adhesive layer application							
Resistance to environmental cycle test VW PV 1200	Carry out on the finished molded part							
DIMENSIONS								
Delivered format	Rolls, Boards, Cuttings							
Width	cm							
Lenght	cm							
PACKAGING AND STORAGE								
Pallet dimension	cm	120x120						
Number of boards per pallet	pcs							
	m ²							
Appr. weight of pallet	kg							
Storage	In covered, clean and dry spaces							

The data was measured at the laboratories of RETEX a.s., and VUT Brno, 2019y

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

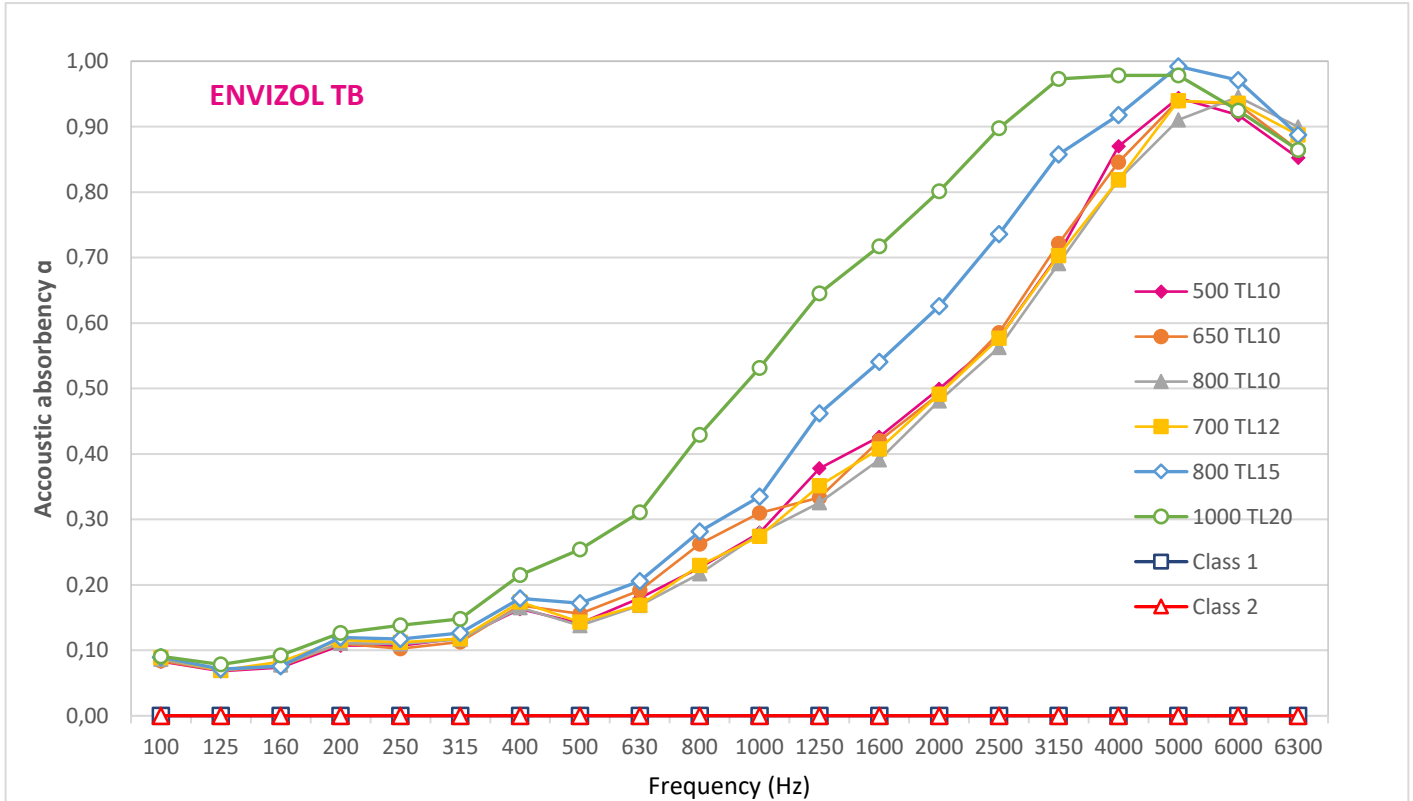


TRADITIONAL QUALITY NONWOVENS

ENVIZOL TB AT

Acoustic and thermal insulation

Acoustic absorption / ČSN ISO 10534-1



f [Hz]	500 TL10	650 TL10	800 TL10	700 TL12	800 TL15	1000 TL20	Class 1	Class 2
100	0,08	0,08	0,09	0,09	0,09	0,09		
125	0,07	0,07	0,07	0,07	0,07	0,08		
160	0,07	0,08	0,08	0,08	0,08	0,09		
200	0,11	0,11	0,11	0,12	0,12	0,13		
250	0,11	0,10	0,11	0,11	0,12	0,14		
315	0,12	0,11	0,12	0,12	0,13	0,15		
400	0,16	0,17	0,17	0,17	0,18	0,22		
500	0,14	0,16	0,14	0,14	0,17	0,25		
630	0,18	0,19	0,17	0,17	0,21	0,31		
800	0,23	0,26	0,22	0,23	0,28	0,43		
1000	0,28	0,31	0,28	0,27	0,33	0,53		
1250	0,38	0,33	0,33	0,35	0,46	0,65		
1600	0,43	0,42	0,39	0,41	0,54	0,72		
2000	0,50	0,49	0,48	0,49	0,63	0,80		
2500	0,58	0,59	0,56	0,58	0,74	0,90		
3150	0,71	0,72	0,69	0,70	0,86	0,97		
4000	0,87	0,85	0,82	0,82	0,92	0,98		
5000	0,94	0,94	0,91	0,94	0,99	0,98		
6000	0,92	0,93	0,95	0,94	0,97	0,92		
6300	0,85	0,86	0,90	0,89	0,89	0,86		

The data was measured at the laboratories of RETEX a.s., and VUT Brno, 2019y

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