TECHNICAL DATASHEET

Fibertex FiberAcoustic 200 M

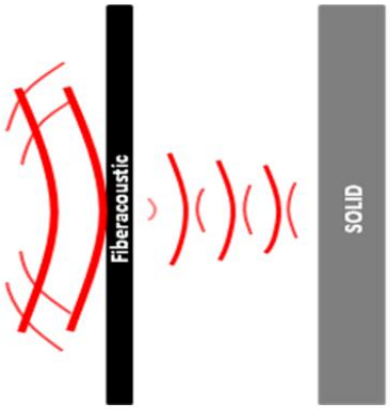
Preliminary draft

Product description	
Colour	Black
Fiber composition	100% Polyester (Flame-retardant)
Fiber bonding	Needlepunched
Product treatment	Melted on one side
Intended use	Acoustic

Product specification					
Characteristic	Test method	Unit	Nominal value	Tolerance	
				Min	Max
Mass per unit area	EN ISO 9073-1	g/m²	200	190	210
Thickness @ 0,5 kPa	EN ISO 9073-2	mm	2.0 orientative value	-	-
Breaking strength MD	EN ISO 9073-3	N	-	100	-
Breaking strength CD	EN ISO 9073-3	N	-	500	-
Elongation @ break MD	EN ISO 9073-3	%	-	50	-
Elongation @ break CD	EN ISO 9073-3	%	-	20	-
Flame retardant	EN ISO 13501-1: B-s1, d0				
Above technical values are based on an average of continuos production.					
Fibertex reserves the right to change product data without notice - unless other agreement exist.					

Indicative values

MD: Machine direction
CD: Cross direction



Approved by:
Product owner: FTX Svitavy
Quality Department: JIST

Date: 13.12.2023
Revision number: 00
Specification number: RD1664

Fibertex NONWOVENS

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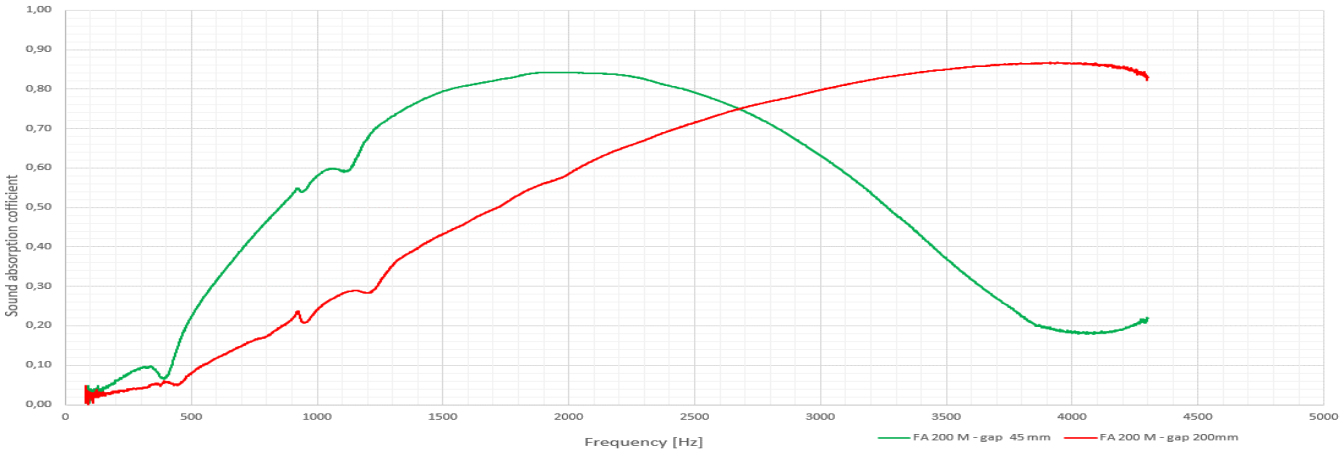
Material absorption coefficient

In accordance with EN/ISO 10534-2

Date	12.6.2023
Temperature / pressure	22°C / 101325Pa
Diameter of test specimen	60mm (100-2500Hz) & 30mm (800-4000Hz)
Description of test specimen and test setup	FiberAcoustic 200 M with air gap

Frequency [Hz]	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	3150	4000	4300
gap 45 mm	0,02	0,03	0,04	0,06	0,08	0,09	0,07	0,22	0,34	0,47	0,58	0,71	0,81	0,84	0,56	0,19	0,22
gap 200 mm	0,02	0,02	0,03	0,03	0,04	0,04	0,06	0,08	0,13	0,17	0,24	0,31	0,46	0,58	0,82	0,86	0,83

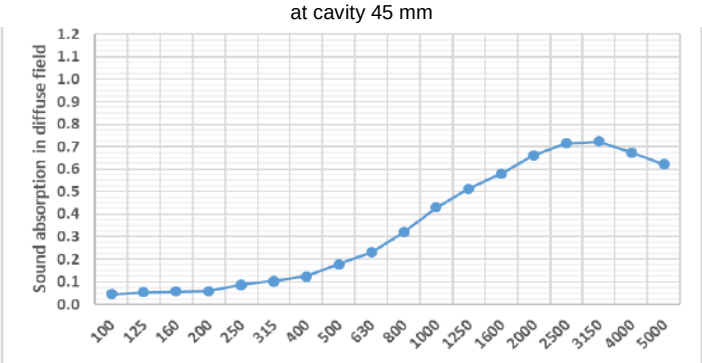


Material absorption coefficient

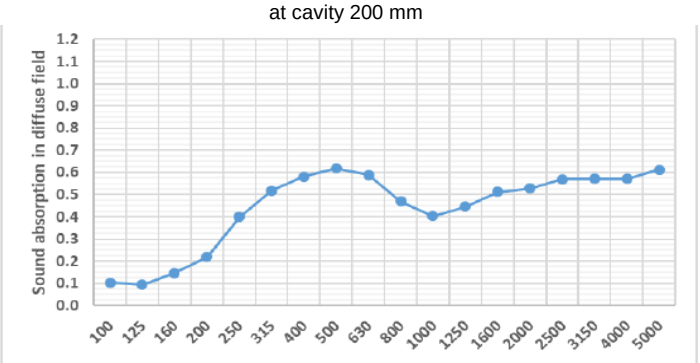
In accordance with EN/ISO 354

At 45 mm cavity - 10,5 mm^2	α_w = 0,30	class D (H)
At 200 mm cavity - 10,5 mm^2	α_w = 0,55	class D

at cavity 45 mm



at cavity 200 mm



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