TECHNICAL DATASHEET

Fibertex FiberAcoustic 75

Preliminary

Product description	
Colour	BLACK, WHITE, GREY
Fibre composition	FR-PET
Product treatment	Optional treatment: Adhesive on one side - melt temp. 70°C
Intended use	Acoustic

Product specification				
Characteristic	Test method	Unit	Nominal value	Tolerance
Mass per unit area	EN ISO 9073-1	g/m²	62	min. 55 / max. 65
Thickness @ 0,5 kPa	EN ISO 9073-2	mm	0.3	min. 0.1 / max. 0.3
Breaking strength MD	EN ISO 9073-3	N	25	min. 25
Breaking strength CD	EN ISO 9073-3	N	35	min. 25
Elongation @ break MD	EN ISO 9073-3	%	15	min. 10 / max. 30
Elongation @ break CD	EN ISO 9073-3	%	30	min. 25 / max. 60
Flame retardant	EN ISO 13501-1: B-s1, d0			

Above technical values are based on an average of running production.

Fibertex reserves the right to change product data without notice.

TECHNICAL DATASHEET

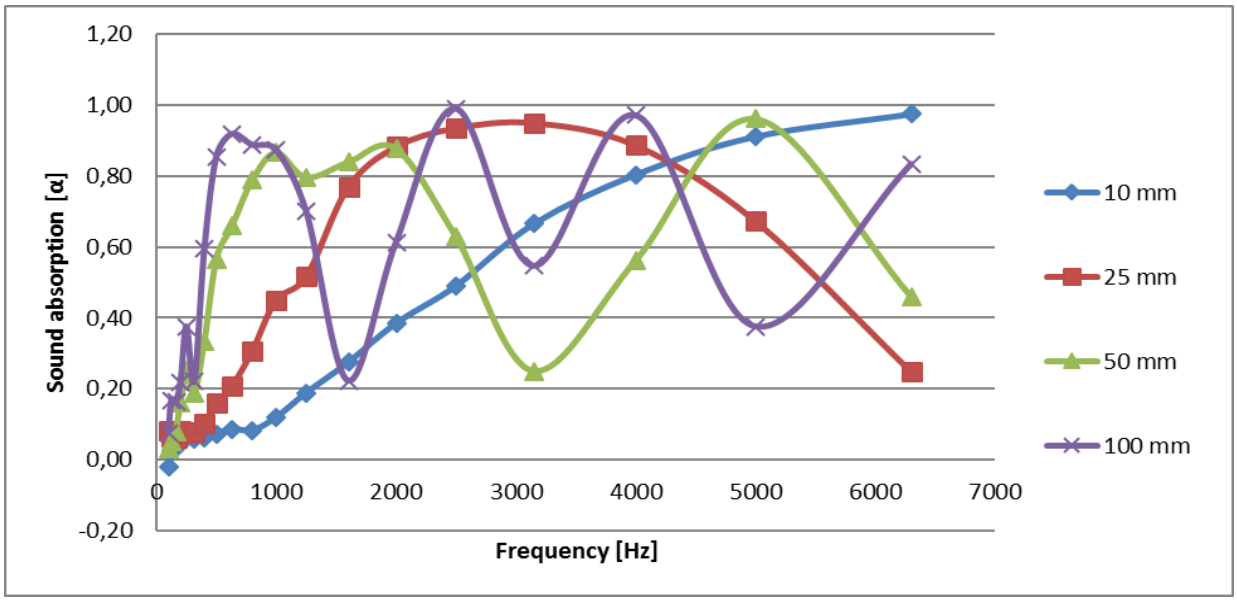
Fibertex FiberAcoustic 75

Material absorption coefficient

In accordance with EN/ISO 10534-2

Date	21. January 2013
Temperature / pressure	22°C / 101325Pa
Diameter of test specimen	60mm (100-2500Hz) & 30mm (800-4000Hz)
Description of test specimen and test setup	FiberAcoustic 75 with air gap

Frequency [Hz]	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000	5000	6300
10 mm	-0,02	0,02	0,03	0,07	0,06	0,06	0,06	0,07	0,09	0,08	0,12	0,19	0,27	0,38	0,49	0,67	0,80	0,91	0,98
25 mm	0,08	0,07	0,06	0,08	0,08	0,08	0,10	0,16	0,21	0,31	0,45	0,52	0,77	0,88	0,94	0,95	0,89	0,67	0,25
50 mm	0,03	0,05	0,08	0,16	0,25	0,19	0,33	0,57	0,66	0,79	0,87	0,80	0,84	0,88	0,63	0,25	0,56	0,96	0,46
100 mm	0,08	0,17	0,16	0,22	0,38	0,22	0,59	0,86	0,92	0,89	0,87	0,70	0,22	0,61	0,99	0,55	0,97	0,38	0,83



Material absorption coefficient

In accordance with EN/ISO 10534-2

	Property	Value/note	
At 45 mm cavity - 10,5 m²	weighed soundabsorption coeffitient α_w	0,25	Class E (H)
At 200 mm cavity – 10,5 m²	weighed soundabsorption coeffitient α_w	0,45	Class D (MH)

- Results according to test report no. P2 039.12 from Grontmij – Available in details at request.