Sound absorption coefficient according to DIN EN ISO 10534-2

Transfer-function method

A 01

Test subject:

Name:	Specimen no. 1, VB2240-000-AKUSTIKA-1M
Description:	-
Client:	Vita Baltic International LT-62181 Jurgiskiai, Alytus region, Lithuania
Manufacturer:	-

Measurement conditions:

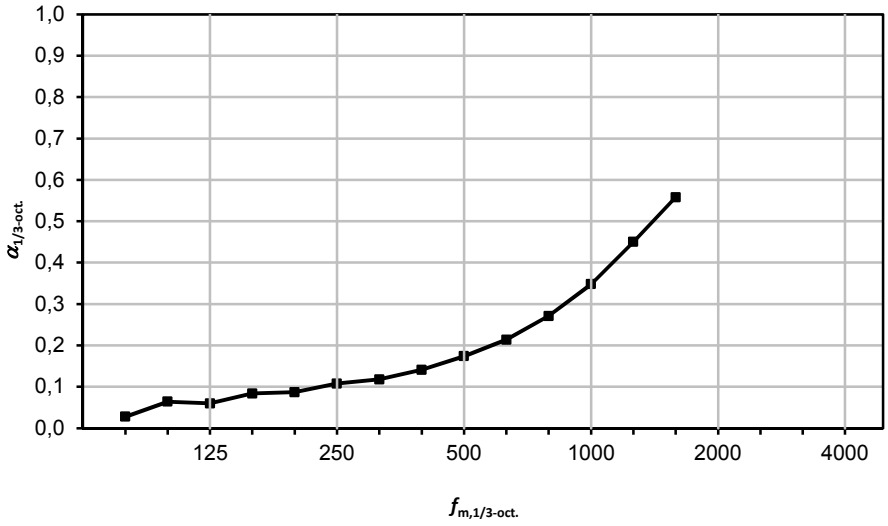
Standard:	DIN EN ISO 10534-2: Acoustics - Determination of sound absorption coefficient and impedance in impedance tubes
Method:	Transfer-function method (ISO 10534-2: 2001)
Measurement system:	Impedance Tube AFD 1000 - AcoustiTube®, Diameter 100 mm, Software AFD 1001, Version 1.5
Temperature:	20 °C
Relative humidity:	42 %
Date of measurement:	30.03.2016

Specimen:

Total number:	3
Diameter:	100 mm
Thickness:	70 mm
Mounting:	Specimen mounted acoustically sealed in impedance tube

Result:

$f_{m,1/3\text{-oct.}}$ / $f_{m,oct.}$	$\alpha_{1/3\text{-oct.}}$	$\alpha_{oct.}$
50	--	---
63	--	
80	0,03	
100	0,06	0,07
125	0,06	
160	0,08	
200	0,09	0,10
250	0,11	
315	0,12	
400	0,14	0,18
500	0,17	
630	0,21	
800	0,27	0,36
1000	0,35	
1250	0,45	
1600	0,56	---
2000	---	
2500	---	
3150	---	---
4000	---	
5000	---	



center frequency of 1/3-octave band / octave band $f_{m,1/3\text{-oct.}}$ / $f_{m,\,oct.}$ in Hz

sound absorption coefficient of each 1/3 octave band / octave band $\alpha_{1/3\text{-oct.}}$ / $\alpha_{oct.}$

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