

# Sound absorption coefficient according to DIN EN ISO 10534-2

## Transfer-function method

A 03

**Test subject:**

Name: Specimen no. 3, PV5010-000-AKUSTIKA-1M  
 Description: -  
 Client: Vita Baltic International  
 LT-62181 Jurgiskiai, Alytus region, Lithuania  
 Manufacturer: -



**Measurement conditions:**

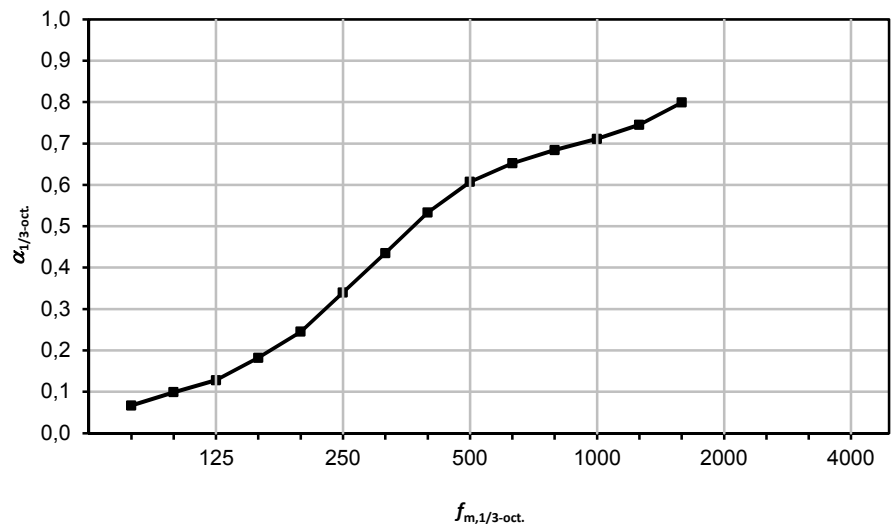
Standard: DIN EN ISO 10534-2: Acoustics - Determination of sound absorption coefficient and impedance in impedance tubes  
 Method: Transfer-function method (ISO 10534-2: 2001)  
 Measurement system: Impedance Tube AFD 1000 - AcoustiTube®, Diameter 100 mm, Software AFD 1001, Version 1.5  
 Temperature: 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:**

$f_{m,1/3-oct.} / f_{m,oct.}$	$\alpha_{1/3-oct.}$	$\alpha_{oct.}$
50	--	---
63	--	
80	0,07	
100	0,10	0,14
125	0,13	
160	0,18	
200	0,25	0,34
250	0,34	
315	0,44	
400	0,53	0,60
500	0,61	
630	0,65	
800	0,68	0,71
1000	0,71	
1250	0,75	
1600	0,80	---
2000	---	
2500	---	
3150	---	---
4000	---	
5000	---	



center frequency of 1/3-octave band / octave band  $f_{m,1/3-oct.} / f_{m,oct.}$  in Hz  
 sound absorption coefficient of each 1/3 octave band / octave band  $\alpha_{1/3-oct.} / \alpha_{oct.}$

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