



### Measurement of Sound Absorption (coefficient $\alpha$ )

The sound absorption coefficient is the percentage of incident sound energy that, rather than being reflected, is converted to other forms of energy such as heat.

<b>Material:</b>	RE230-xx
<b>Applicant:</b>	(none)
<b>Date:</b>	11-10-2007
<b>Measured by:</b>	PAN

<b>Measure condition:</b>	
Measurements require careful control of temperature and humidity in an impedance tube in accordance with ISO 10534-2.	
Distance mic. 1:	450 mm
Distance mic. 2:	375 mm

Hz / $\alpha$	10 mm	20 mm	30 mm	40 mm	50 mm
125	-	0,074	-	-	0,277
160	-	0,064	-	-	0,281
200	-	0,061	-	-	0,276
250	-	0,074	-	-	0,302
315	-	0,099	-	-	0,384
400	-	0,179	-	-	0,486
500	-	0,311	-	-	0,569
630	-	0,385	-	-	0,527
800	-	0,541	-	-	0,543
1.000	-	0,662	-	-	0,577
1.250	-	0,753	-	-	0,621
1.600	-	0,779	-	-	0,657
1.715	-	0,815	-	-	0,700

