



### 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>	RE100X IsoFlock
<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	-	-	0,180	-	-
160	-	-	0,150	-	-
200	-	-	0,140	-	-
250	-	-	0,160	-	-
315	-	-	0,230	-	-
400	-	-	0,470	-	-
500	-	-	0,450	-	-
630	-	-	0,350	-	-
800	-	-	0,310	-	-
1.000	-	-	0,520	-	-
1.250	-	-	0,430	-	-
1.600	-	-	0,450	-	-
1.715	-	-	0,450	-	-

