

**Measuring sample:**

Name: **USUS II**  
Description: acoustic fabric  
Manufacturer: création baumann Weberei und Färberei AG, CH-4901 Langenthal  
Client of measurement: manufacturer

**Measuring conditions:**

Standard: DIN EN 29053: Materials for acoustical applications; Determination of airflow resistance (ISO 9053)  
Method: direct-airflow method, measurement at 5 different airflow velocities and extrapolation to an airflow velocity of 0,5 mm/s  
Specimen holder: round, 112,8 mm diameter  
Temperature: 20 °C  
Relative humidity: 58 %  
Measurement date: 2005-02-09

**Specimen:**

Total number: 1  
Shape: specimen (ca. 200 mm x 180 mm) fit in specimen holder  
Effective cross section: 100 cm<sup>2</sup>

**Single Results:**

Specimen	Nr. 1		
	$u$	$\Delta p$	$R_s$
Measuring values	31,5	54,6	1730
	26,1	45,0	1730
	20,8	35,7	1720
	15,6	26,8	1720
	10,4	18,1	1740
Extrapolation	0,5		1730

(Airflow velocity  $u$  in mm/s, pressure difference  $\Delta p$  over specimen in Pa, specific airflow resistance  $R_s$  in Pa s/m)

**Measuring result:**

<b>Specific airflow resistance <math>R_s = 1730</math> Pa s/m</b>
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