

**Measuring sample:**

Name: **VELLING**  
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: 2005-02-08

**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	32,1	86,7	2700
	26,5	71,3	2690
	21,1	56,5	2680
	15,8	42,2	2680
	10,5	28,2	2680
Extrapolation	0,5		2660

(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 = 2660</math> Pa s/m</b>
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