

Measuring sample:

Name: **UMBRIA**
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 cm²

Single Results:

Specimen	Nr. 1		
	u	Δp	R_s
Measuring values	32,3	24,5	759
	26,6	20,1	756
	21,2	16,0	753
	15,8	11,9	753
	10,6	7,96	751
Extrapolation	0,5		747

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

Measuring result:

Specific airflow resistance $R_s = 747$ Pa s/m
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