

Measuring sample:

Name: **DIMMER**
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	32,0	108	3390
	26,4	89,1	3370
	21,0	70,5	3350
	15,7	52,3	3330
	10,5	34,5	3290
Extrapolation	0,5		3250

(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 $R_s = 3250$ Pa s/m
