

Measuring sample:

Name: **SINFONIA CS**
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 cm²

Single Results:

Specimen	Nr. 1		
	u	Δp	R_s
Measuring values	32,2	0,163	5,1
	26,6	0,148	5,6
	21,1	0,0860	4,1
	15,8	0,0832	5,3
	10,6	0,0710	6,7
Extrapolation	0,5		6,5

(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 $R_s = 6,5$ Pa s/m
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