

Airflow resistance in the sense* of EN 29053 (ISO 9053)
Measurement of specific airflow resistance

A 06-2 E

Test subject:

Name: SPRINT COLOR
Description: acoustic fabric, 100% PLF Trevira CS
Manufacturer: création baumann Weberei und Färberei AG
CH-4901 Langenthal
Client of measurement: manufacturer



Measurement conditions:

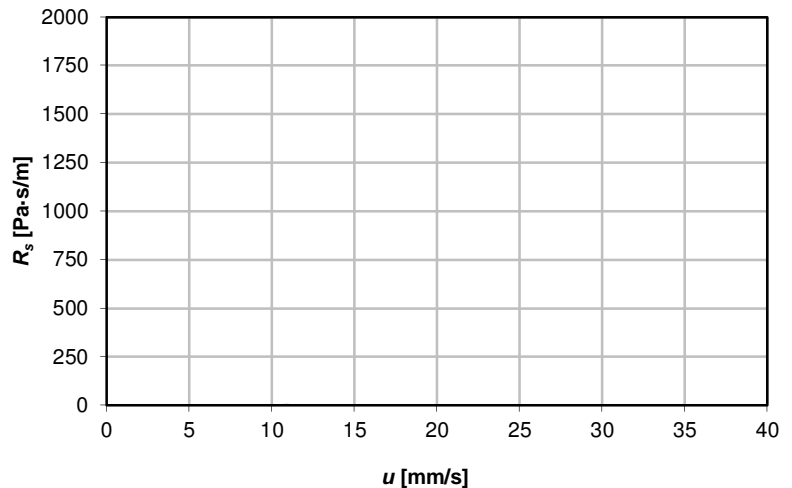
Standard: EN 29053: Materials for acoustical applications; Determination of airflow resistance (ISO 9053)
Method: direct-airflow method, measurement at 10 different airflow velocities and extrapolation to an airflow velocity of 0,5 mm/s
Specimen holder: round, diameter 112,8 mm
Temperature: 21 °C
Relative humidity: 45 %
Date of measurement: 2012-03-07

Specimen:

Number of specimen: 2 of 2
Diameter of specimen: 112,8 mm
Effective cross section: 100,00 cm²
Thickness of specimen: -
Measurement setup: specimen fit in specimen holder
* required number of specimens according to EN 29053: 3 x 3 = 9

Measurement result:

	u	Δp	R_s
Measurement values	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
	-	-	-
Extrapolation	0,5		-



Airflow velocity u in mm/s
Pressure drop across the specimen Δp in Pa
Specific airflow resistance in Pa·s/m

Note!

The low pressure loss over the specimen, caused by the very low airflow resistance, does not provide the required minimum measurement accuracy acc. to EN 29053. The indicated values are for **orientation purposes only!**

Single value:

Specific airflow resistance $R_s < 5,0 \text{ Pa·s/m}$

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