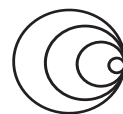


Measuring protocol airflow resistance according to DIN EN 29053 (ISO 9053)

Measurement of specific airflow resistance R_s

Measuring sample:

Name: PROTECT 152
Description: acoustic fabric
Manufacturer: création baumann Weberei und Färberei AG
CH-4901 Langenthal
Client of measurement: manufacturer



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Measuring conditions:

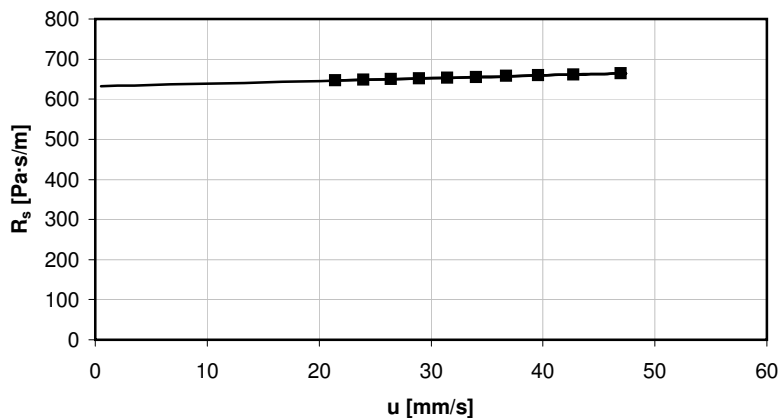
Standard: DIN EN 29053: Materials for acoustical applications; Determination of airflow resistance (ISO 9053)
Method: direct-airflow method, measurement at 10 different airflow velocities and extrapolation to an airflow velocity of 0,5 mm/s
Specimen holder: round, 100 mm diameter
Temperature: 21 °C
Relative humidity: 61%
Measurement date: 2007-08-01

Specimen:

Total number: 1
Shape: specimen (ca. 200 mm x 180 mm) fit in specimen holder
Effective cross section: 78,54 cm²

Single results:

Specimen	Nr.1		
	u	Δp	R_s
Measuring values	46,9	31,2	664
	42,7	28,3	661
	39,6	26,1	659
	36,7	24,2	657
	34,0	22,3	655
	31,5	20,5	653
	28,9	18,8	651
	26,4	17,2	650
	24,0	15,6	649
	21,5	13,9	647
Extrapolation	0,5		632



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 $R_s = 632$ Pa·s/m