

EN ISO 9053-1:2018 - Determination of airflow resistance

Direct airflow method

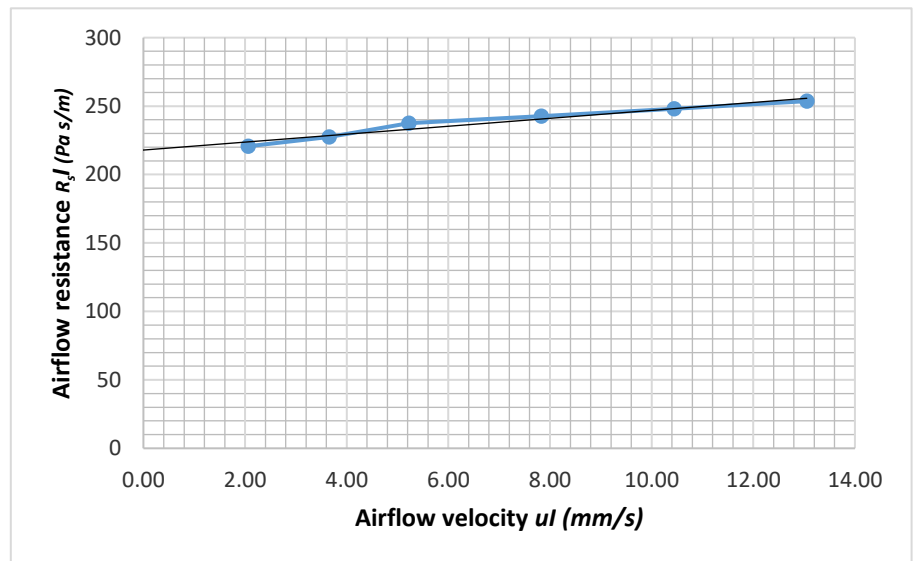
Client Kvadrat

Date: 12-03-26

Fabric details
 Type: Serpentine
 Item number: 1004
 Colour: 118
 Manufacturer: kvadrat
 Batch: IN-5-959-118
 Finish:

Specimen
 Sample: 1
 Thickness: 1.66 mm
 Area specific mass: 585 g/m²
 Diameter: 100 mm

u_l (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	254
10.44	248
7.83	243
5.22	237
3.65	227
2.06	221



Airflow resistance $R_s = 218$ Pa s/m

Summary of results:				
Sample:	1	2	3	Mean:
Thickness:	1.66	1.64	1.68	1.66 mm
Area specific mass:	585	592	582	586 g/m²
Airflow resistance R_s:	218	235	244	232 Pa s/m

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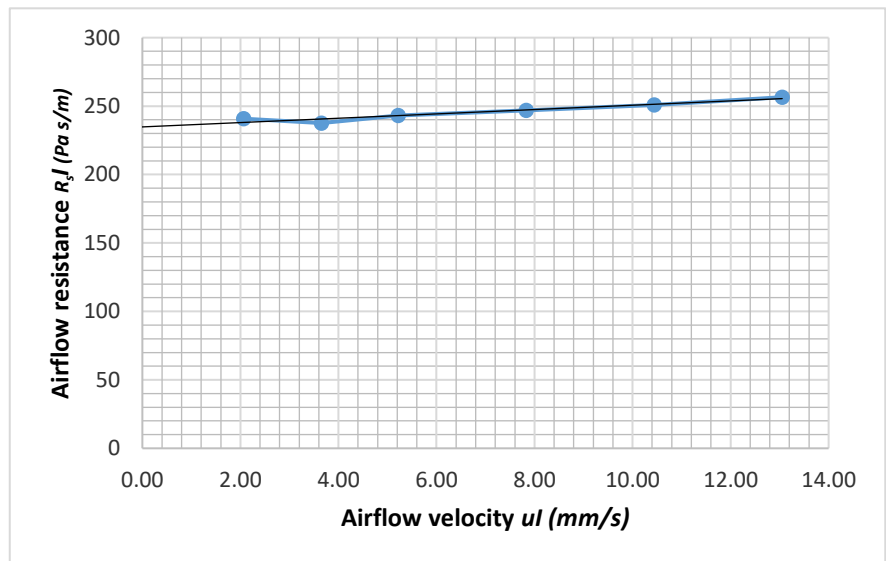
Client Kvadrat

Date: 12-03-26

Fabric details
Type: Serpentine
Item number: 1004
Colour: 112
Manufacturer: kvadrat
Batch: IN-5-959-118
Finish: 0

Specimen
Sample: 2
Thickness: 1.64 mm
Area specific mass: 592 g/m²
Diameter: 100 mm

u_l (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	256
10.44	251
7.83	247
5.22	243
3.65	238
2.06	241



Airflow resistance $R_s = 235$ Pa s/m

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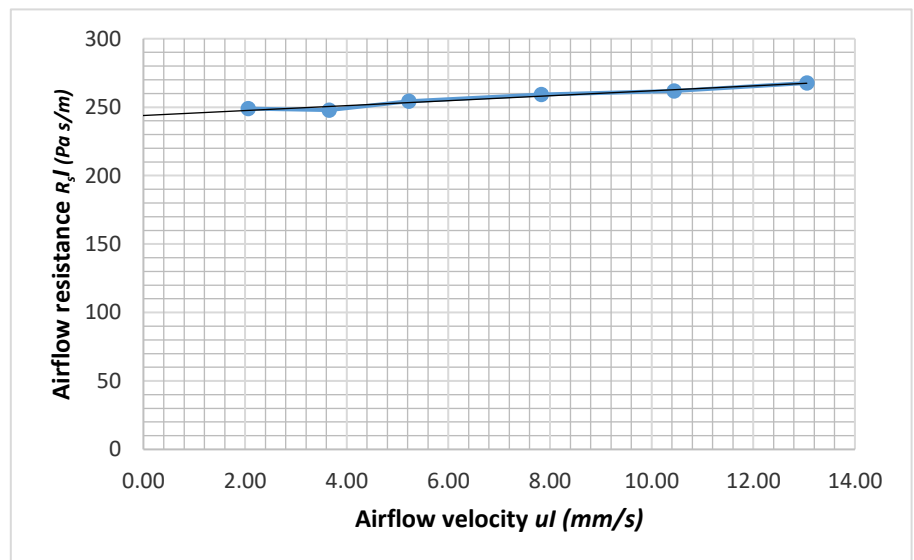
Client Kvadrat

Date: 12-03-26

Fabric details Type: Serpentine
Item number 1004
Colour: 112
Manufacturer: kvadrat
Batch: IN-5-959-118
Finish: 0

Specimen Sample: 3
Thickness: 1.68 mm
Area specific mass: 582 g/m²
Diameter: 100 mm

u_l (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	268
10.44	262
7.83	259
5.22	254
3.65	248
2.06	249



Airflow resistance $R_s = 244$ Pa s/m