

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

Direct airflow method

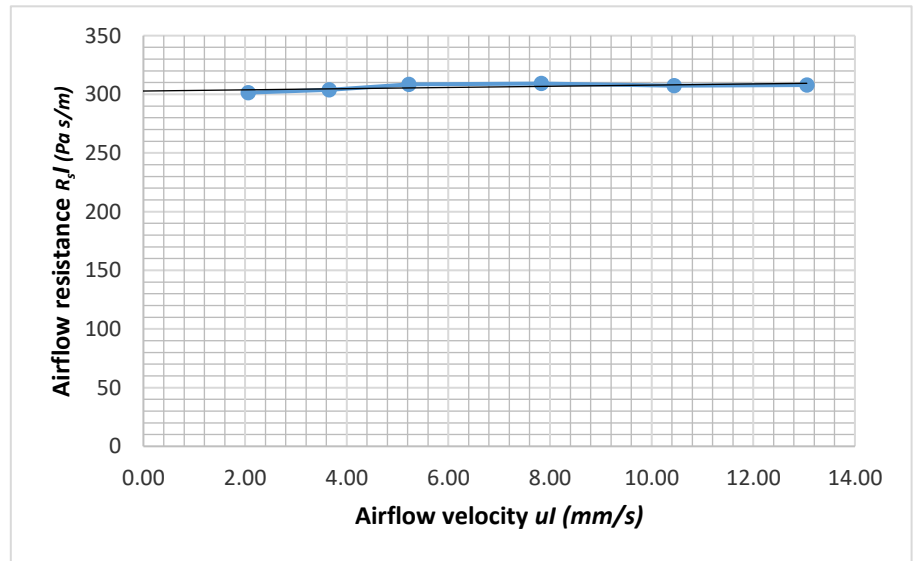
Client Kvadrat

Date: 12-03-26

Fabric details  
 Type: Saxion  
 Item number: 1059  
 Colour: 127  
 Manufacturer: kvadrat  
 Batch: IN-1-919-0127  
 Finish:

Specimen  
 Sample: 1  
 Thickness: 1.71 mm  
 Area specific mass: 565 g/m<sup>2</sup>  
 Diameter: 100 mm

<i>ul (mm/s)</i>	<i>R<sub>s,l</sub> (Pa s/m)</i>
13.05	308
10.44	307
7.83	309
5.22	308
3.65	304
2.06	301



**Airflow resistance  $R_s = 303$  Pa s/m**

Summary of results:				
Sample:	1	2	3	<b>Mean:</b>
Thickness:	1.71	1.74	1.73	<b>1.73 mm</b>
Area specific mass:	565	547	560	<b>557 g/m<sup>2</sup></b>
<b>Airflow resistance <math>R_s</math>:</b>	<b>303</b>	<b>303</b>	<b>293</b>	<b>300 Pa s/m</b>

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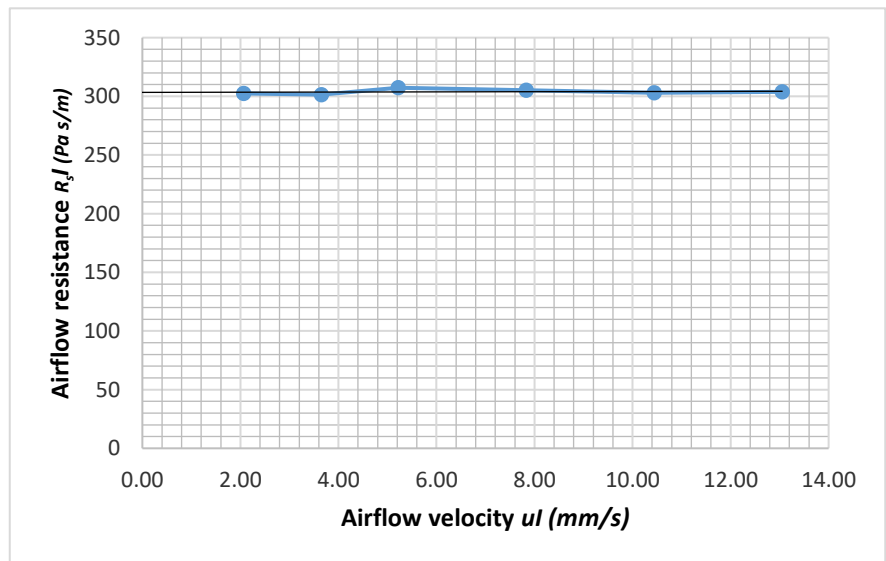
Client Kvadrat

Date: 12-03-26

Fabric details  
Type: Saxion  
Item number: 1059  
Colour: 112  
Manufacturer: kvadrat  
Batch: IN-1-919-0127  
Finish: 0

Specimen  
Sample: 2  
Thickness: 1.74 mm  
Area specific mass: 547 g/m<sup>2</sup>  
Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	304
10.44	303
7.83	305
5.22	307
3.65	301
2.06	302



**Airflow resistance  $R_s = 303$  Pa s/m**

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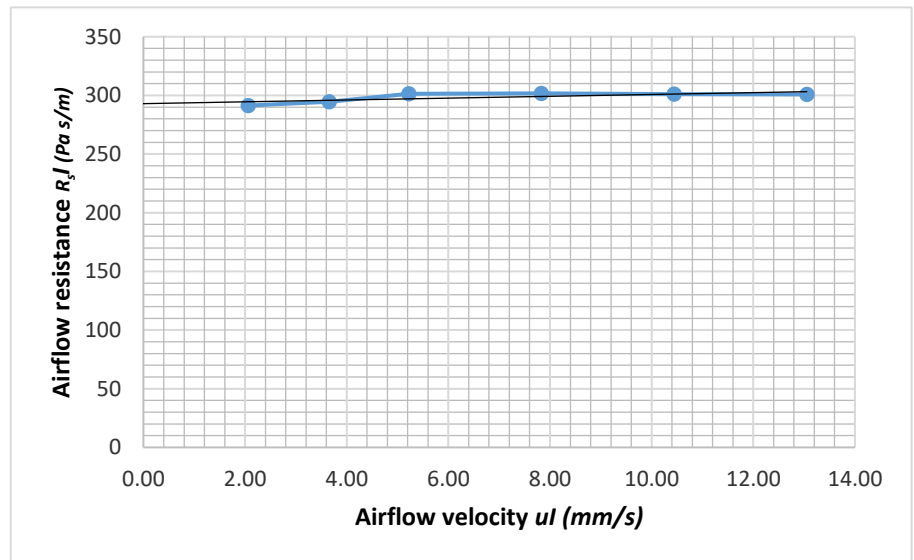
Client Kvadrat

Date: 12-03-26

Fabric details Type: Saxion  
Item number 1059  
Colour: 112  
Manufacturer: kvadrat  
Batch: IN-1-919-0127  
Finish: 0

Specimen Sample: 3  
Thickness: 1.73 mm  
Area specific mass: 560 g/m<sup>2</sup>  
Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	301
10.44	301
7.83	302
5.22	301
3.65	295
2.06	291



**Airflow resistance  $R_s = 293$  Pa s/m**