

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

Direct airflow method

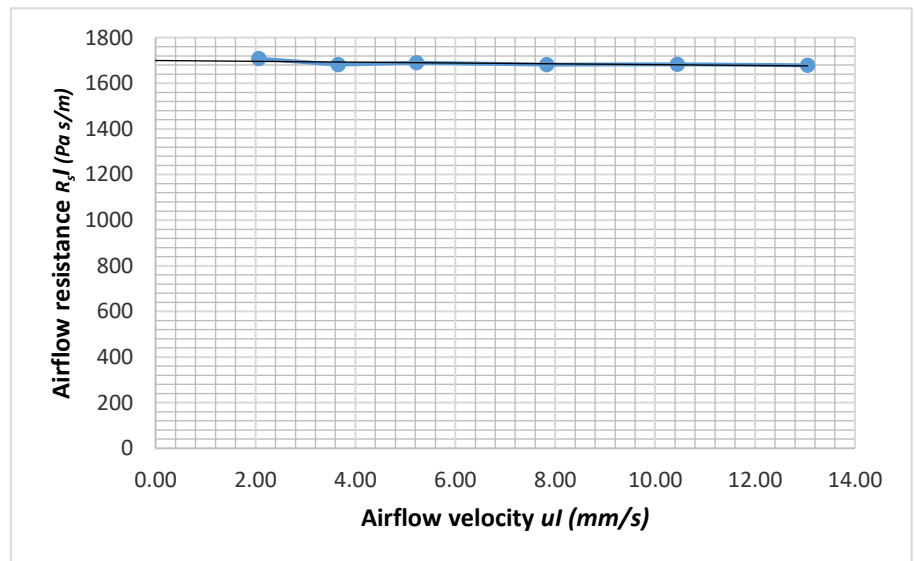
Client Kvadrat

Date: 12-03-26

Fabric details  
 Type: Asator  
 Item number: 1044  
 Colour: 114  
 Manufacturer: kvadrat  
 Batch: BA000024927  
 Finish:

Specimen  
 Sample: 1  
 Thickness: 1.76 mm  
 Area specific mass: 413 g/m<sup>2</sup>  
 Diameter: 100 mm

$ul$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	1679
10.44	1683
7.83	1682
5.22	1690
3.65	1681
2.06	1708



**Airflow resistance  $R_s = 1700$  Pa s/m**

Summary of results:				
Sample:	1	2	3	<b>Mean:</b>
Thickness:	1.76	1.75	1.73	<b>1.75 mm</b>
Area specific mass:	413	406	408	<b>409 g/m<sup>2</sup></b>
<b>Airflow resistance <math>R_s</math>:</b>	1700	1801	1530	<b>1677 Pa s/m</b>

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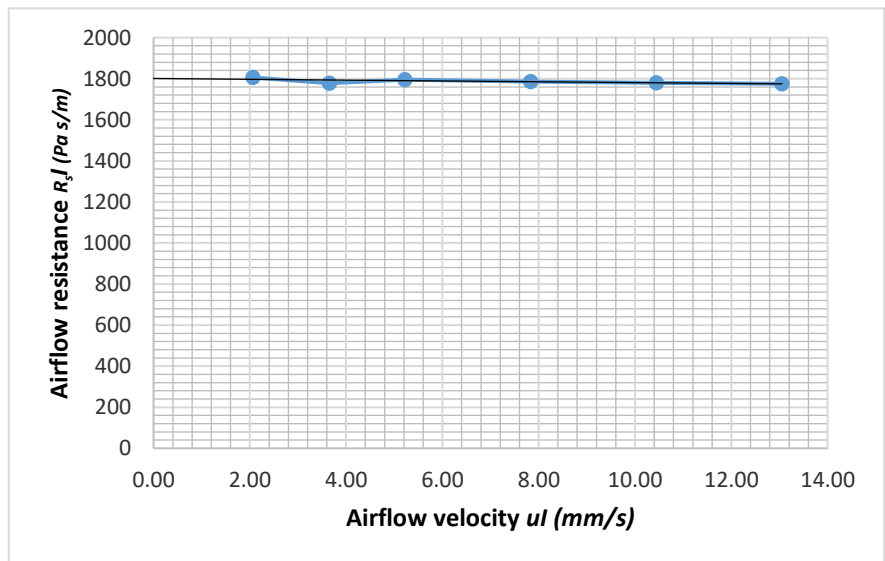
Client Kvadrat

Date: 12-03-26

Fabric details  
Type: Asator  
Item number: 1044  
Colour: 112  
Manufacturer: kvadrat  
Batch: BA000024927  
Finish: 0

Specimen  
Sample: 2  
Thickness: 1.75 mm  
Area specific mass: 406 g/m<sup>2</sup>  
Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	1776
10.44	1780
7.83	1786
5.22	1796
3.65	1779
2.06	1806



**Airflow resistance  $R_s = 1801$  Pa s/m**

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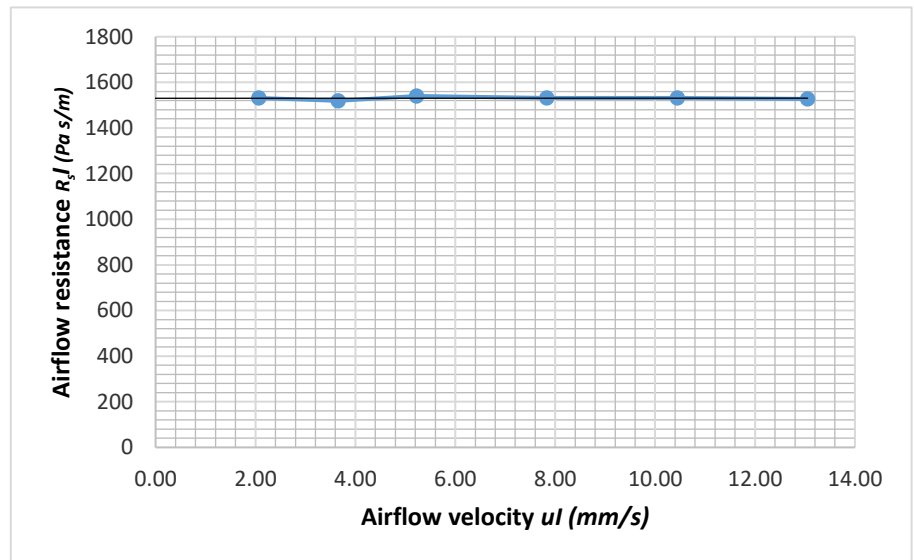
Client Kvadrat

Date: 12-03-26

Fabric details  
Type: Asator  
Item number 1044  
Colour: 112  
Manufacturer: kvadrat  
Batch: BA000024927  
Finish: 0

Specimen  
Sample: 3  
Thickness: 1.73 mm  
Area specific mass: 408 g/m<sup>2</sup>  
Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	1528
10.44	1532
7.83	1532
5.22	1540
3.65	1519
2.06	1532



**Airflow resistance  $R_s = 1530$  Pa s/m**