

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

Direct airflow method

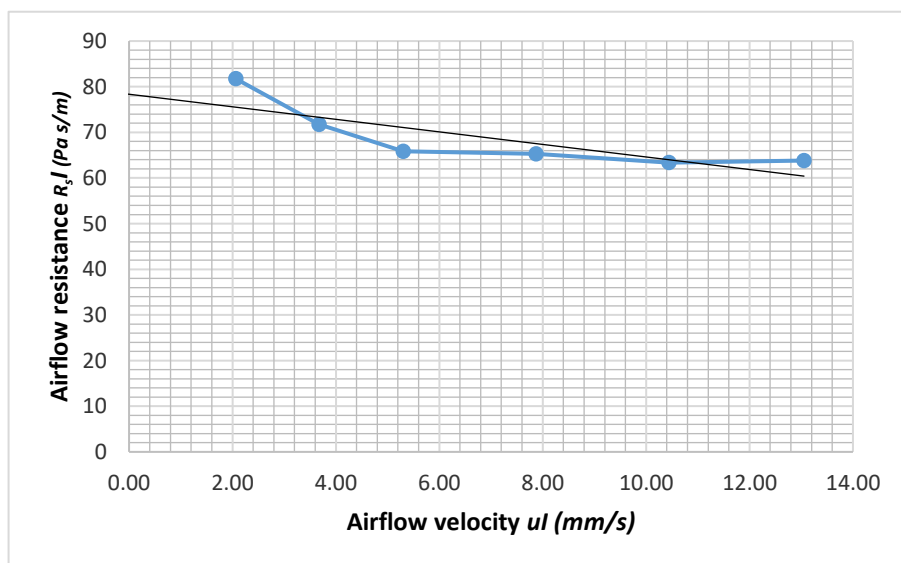
Client: Kvadrat

Date: 06/02/2023

Fabric details  
 Type: Suunta  
 Item number: -  
 Colour: -  
 Manufacturer: Febrik / Kvadrat

Specimen  
 Sample: 1  
 Thickness: 1.56 mm  
 Area specific mass: 472 g/m<sup>2</sup>  
 Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	64
10.44	63
7.87	65
5.30	66
3.68	72
2.06	82



**Airflow resistance  $R_s = 78$  Pa s/m**

Summary of results:				
Sample:	1	2	3	<b>Mean:</b>
Thickness:	1.56	1.56	1.56	<b>1.56 mm</b>
Area specific mass:	472	471	468	<b>472 g/m<sup>2</sup></b>
<b>Airflow resistance <math>R_s</math>:</b>	<b>78</b>	<b>75</b>	<b>73</b>	<b>75 Pa s/m</b>

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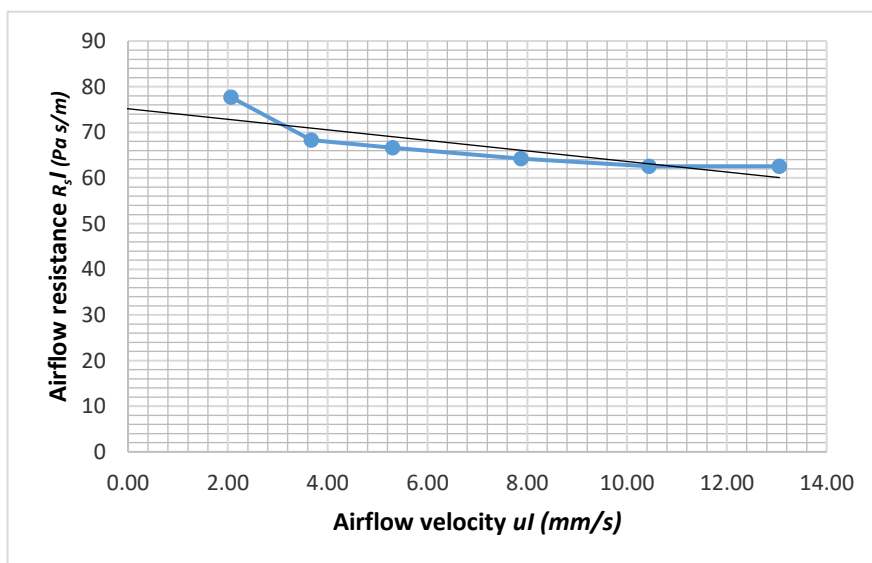
Client Kvadrat

Date: 06/02/2023

Fabric details Type: Suunta  
Item number: -  
Colour: -  
Manufacturer: Febrik / Kvadrat

Specimen Sample: 2  
Thickness: 1.56 mm  
Area specific mass: 471 g/m<sup>2</sup>  
Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	63
10.44	63
7.87	64
5.30	67
3.68	68
2.06	78



**Airflow resistance  $R_s = 75$  Pa s/m**

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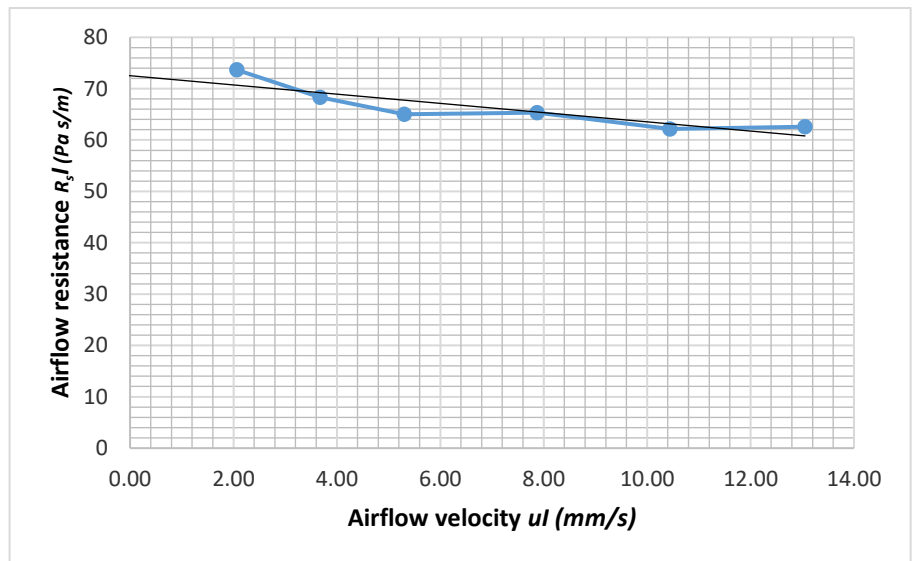
Client: Kvadrat

Date: 06/02/2023

Fabric details  
Type: Suunta  
Item number: -  
Colour: -  
Manufacturer: Febrik / Kvadrat

Specimen  
Sample: 3  
Thickness: 1.56 mm  
Area specific mass: 468 g/m<sup>2</sup>  
Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	63
10.44	62
7.87	65
5.30	65
3.68	68
2.06	74



**Airflow resistance  $R_s = 73$  Pa s/m**