

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

Direct airflow method

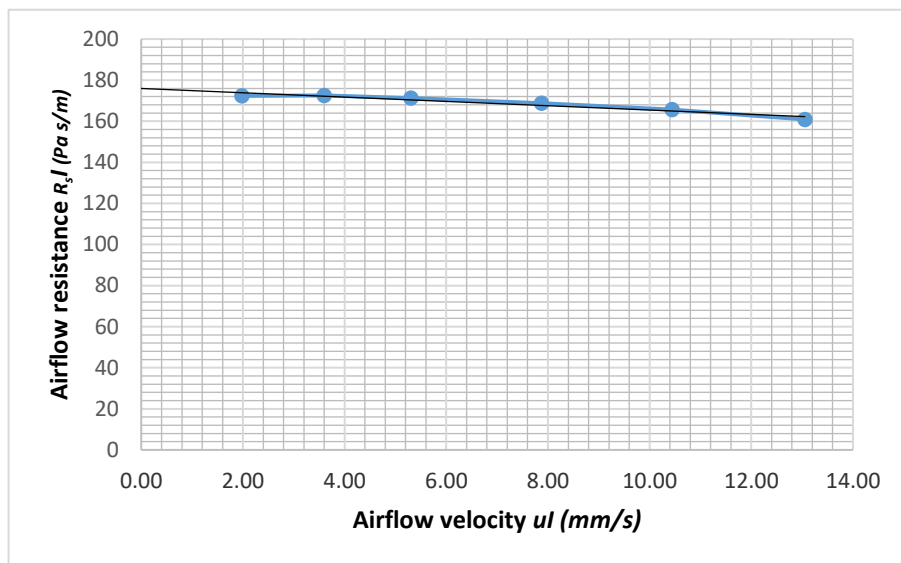
Client: Kvadrat

Date: 19/04/2022

Fabric details  
 Type: Arda  
 Colour:  
 Manufacturer: Kvadrat

Specimen  
 Sample: 1  
 Thickness: 2.27 mm  
 Area specific mass: 596 g/m<sup>2</sup>  
 Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	161
10.44	166
7.87	169
5.30	171
3.60	173
1.98	172



**Airflow resistance  $R_s = 176$  Pa s/m**

Summary of results:				
Sample:	1	2	3	<b>Mean:</b>
Thickness:	2.27	2.25	2.29	<b>2.27</b> mm
Area specific mass:	596	573	569	<b>579</b> g/m <sup>2</sup>
<b>Airflow resistance <math>R_s</math>:</b>	176	163	155	<b>165</b> Pa s/m

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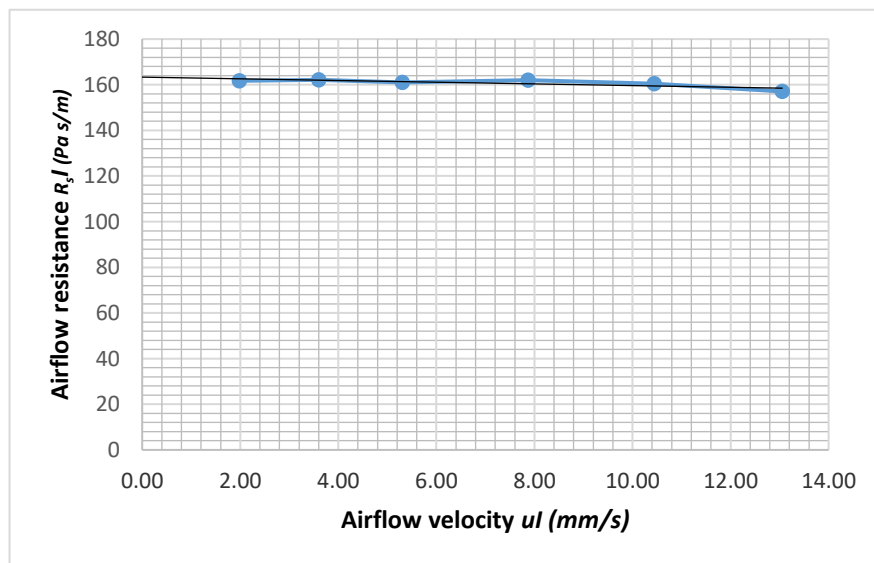
Client Kvadrat

Date: 19/04/2022

Fabric details Type: Arda  
Colour:  
Manufacturer: Kvadrat

Specimen Sample: 2  
Thickness: 2.25 mm  
Area specific mass: 573 g/m<sup>2</sup>  
Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	157
10.44	160
7.87	162
5.30	161
3.60	162
1.98	162



**Airflow resistance  $R_s = 163$  Pa s/m**

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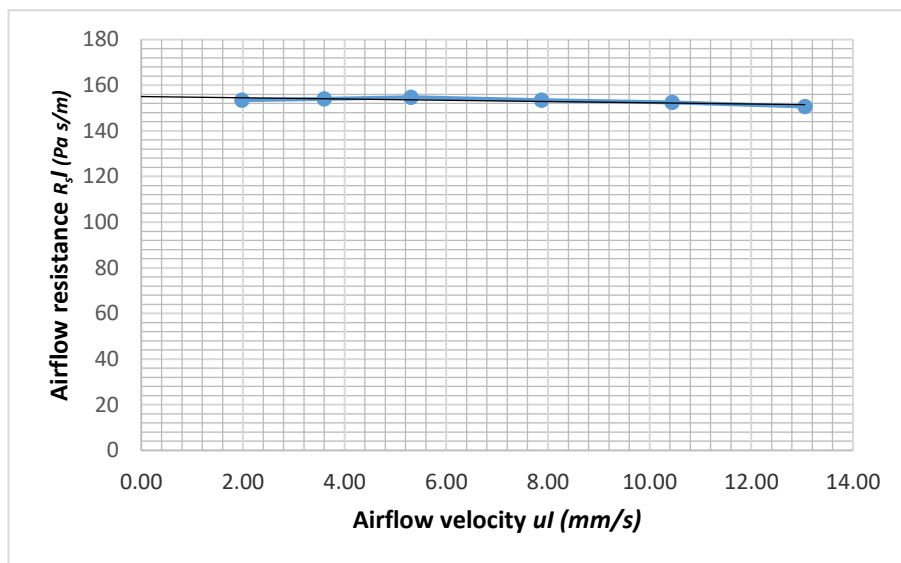
Client: Kvadrat

Date: 19/04/2022

Fabric details  
Type: Arda  
Colour:  
Manufacturer: Kvadrat

Specimen  
Sample: 3  
Thickness: 2.29 mm  
Area specific mass: 569 g/m<sup>2</sup>  
Diameter: 100 mm

$u_l$ (mm/s)	$R_{s,l}$ (Pa s/m)
13.05	151
10.44	152
7.87	153
5.30	155
3.60	154
1.98	153



**Airflow resistance  $R_s = 155$  Pa s/m**