

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

Direct airflow method

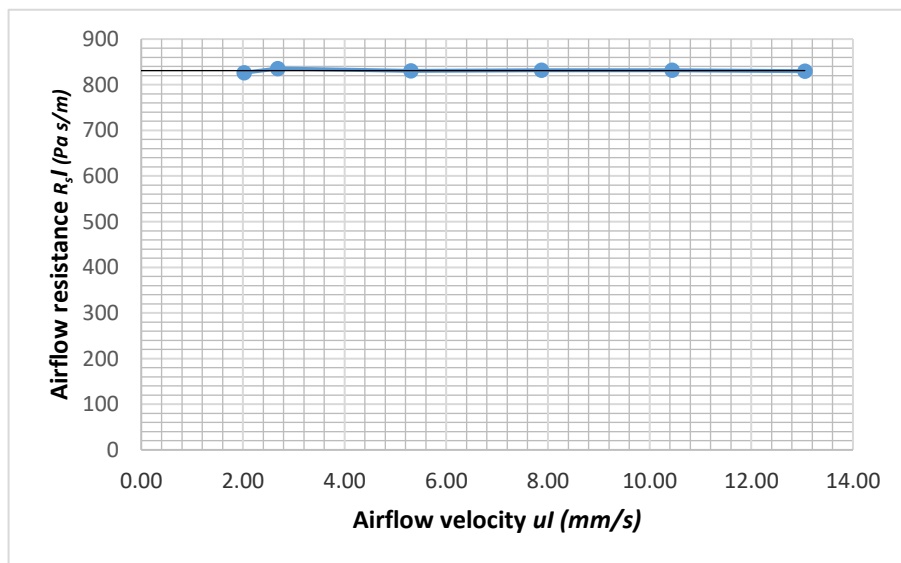
Client: Kvadrat

Date: 22/03/2022

Fabric details
 Type: Technicolour Fleck
 Colour: 700
 Manufacturer: Kvadrat

Specimen
 Sample: 1
 Thickness: 0.81 mm
 Area specific mass: 409 g/m²
 Diameter: 100 mm

| u_l (mm/s) | $R_{s,l}$ (Pa s/m) |
|--------------|--------------------|
| 13.05 | 830 |
| 10.44 | 832 |
| 7.87 | 832 |
| 5.30 | 830 |
| 2.69 | 836 |
| 2.03 | 826 |



Airflow resistance $R_s = 831$ Pa s/m

| Summary of results: | | | | | |
|---|------|------|------|-----|-----------------------------|
| Sample: | 1 | 2 | 3 | 4 | Mean: |
| Thickness: | 0.81 | 0.81 | 0.80 | 0.8 | 0.81 mm |
| Area specific mass: | 409 | 398 | 398 | 403 | 402 g/m ² |
| Airflow resistance R_s: | 831 | 870 | 591 | 805 | 774 Pa s/m |

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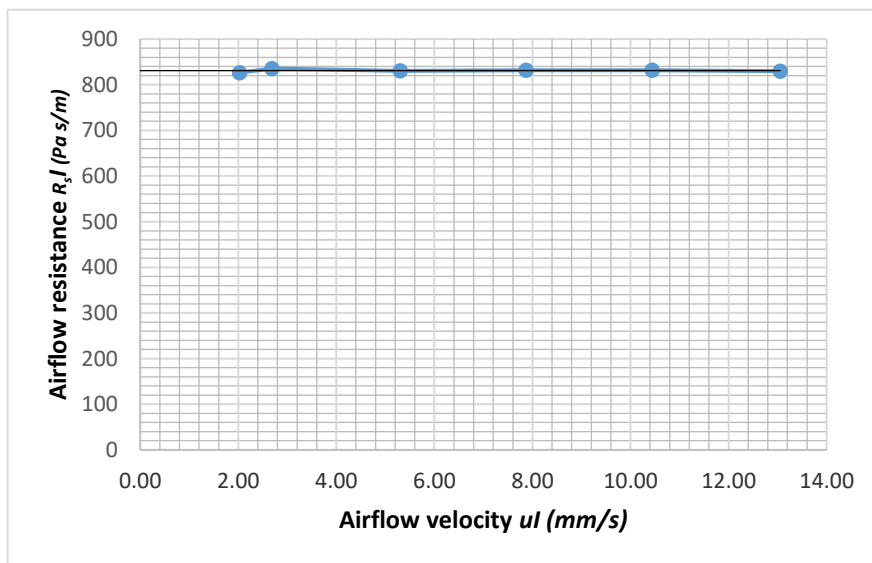
Client Kvadrat

Date: 22/03/2022

Fabric details Type: Technicolour Fleck
Colour: 160
Manufacturer: Kvadrat

Specimen Sample: 2
Thickness: 0.81 mm
Area specific mass: 398 g/m²
Diameter: 100 mm

| u_l (mm/s) | $R_{s,l}$ (Pa s/m) |
|--------------|--------------------|
| 13.05 | 891 |
| 10.44 | 892 |
| 7.87 | 889 |
| 5.30 | 880 |
| 2.69 | 867 |
| 2.03 | 879 |



Airflow resistance $R_s = 870$ Pa s/m

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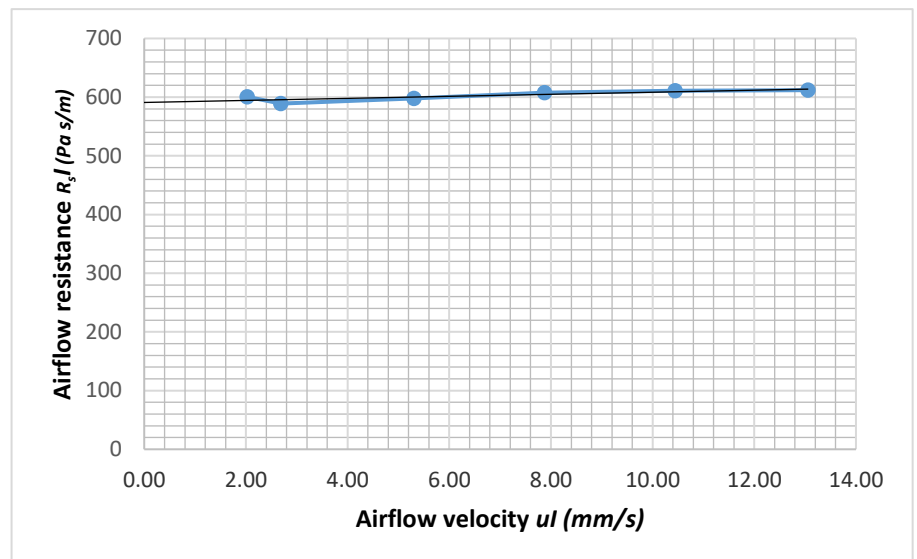
Client: Kvadrat

Date: 22/03/2022

Fabric details
Type: Technicolour Fleck
Colour: 190
Manufacturer: Kvadrat

Specimen
Sample: 3
Thickness: 0.80 mm
Area specific mass: 398 g/m²
Diameter: 100 mm

| u_l (mm/s) | $R_{s,l}$ (Pa s/m) |
|--------------|--------------------|
| 13.05 | 612 |
| 10.44 | 611 |
| 7.87 | 608 |
| 5.30 | 598 |
| 2.69 | 589 |
| 2.03 | 601 |



Airflow resistance $R_s = 591$ Pa s/m

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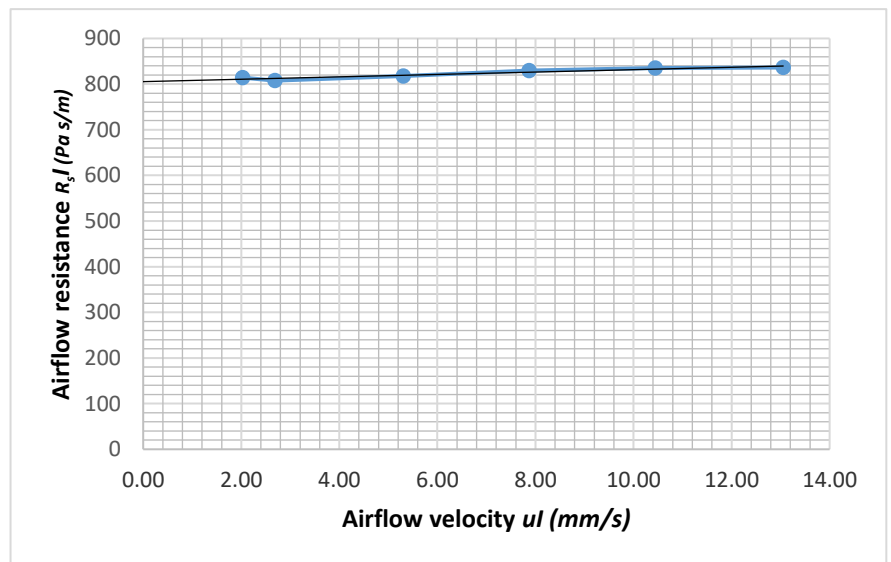
Client Kvadrat

Date: 29/03/2022

Fabric details Type: Technicolour Fleck
Colour: 130
Manufacturer: Kvadrat

Specimen Sample: 4
Thickness: 0.80 mm
Area specific mass: 403 g/m²
Diameter: 100 mm

| u_l (mm/s) | $R_{s,l}$ (Pa s/m) |
|--------------|--------------------|
| 13.05 | 836 |
| 10.44 | 836 |
| 7.87 | 830 |
| 5.30 | 818 |
| 2.69 | 808 |
| 2.03 | 814 |



Airflow resistance $R_s = 805$ Pa s/m