

Technical Data Sheet

Material Designation

IWT-58

Material Properties
Summary

☐ Binderless

☐ Organic Binder

☐ Double Laminated

☒ Acrylic Binder

☐ Laminated

☒ Hydrophobic

This 80-85% ASHRAE filter media is composed of borosilicate microfibers bound with an acrylic resin. This grade is both tight bend pleatable and mini-pleatable.

Micron rating

n/a

μm

Basis Weight

48

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.016

inches - 4 psi

TAPPI Method T411

Mean Pore Size

μm

DOP Smoke Penetration

50

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

4

*mm H₂O @
10.5 ft/minute*

ASTM Method D-2986

Tensile Strength MD

9.0

lbs / inches

TAPPI Method T494

Tensile Strength CD

4.0

lbs / inches

TAPPI Method T494

Dry Elongation MD

n/a

%

TAPPI Method T494

Dry Elongation CD

n/a

%

TAPPI Method T494

Frazier Permeability

34

*ft³ / min / ft² @
0.5in H₂O W.G.*

ASTM Method F778-82

Gurley Stiffness

1200

mg

TAPPI Method T543

Water Repellency

7min - 15max

Inches H₂O

Ignition Loss

6.5 - 8.0 max

% Loss

Comments: *Excellent pleating material.*

Actual filtration performance, i.e. efficiency and dust holding capacity, will vary depending upon filter design parameters and the normal variation of the media properties consistent with the specification range. We continuously strive to refine our products and hence the specifications are subject to change.