

Technical Data Sheet

Material Designation

A-83

Material Properties
Summary

☒ *Binderless*

☐ *Organic Binder*

☐ *Double Laminated*

☐ *Acrylic Binder*

☐ *Laminated*

☐ *Hydrophobic*

This is an ultra high efficiency particulate air filter material especially suited to applications requiring a very high degree of efficiency. The absence of organic binder and fungicide makes this grade eminently suitable for chromatography and analytical filtration.

Binderless media

Micron rating

0.4 - 0.7

μm

Basis Weight

45

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.016

inches - 4 psi

TAPPI Method T411

Mean Pore Size

1.0

μm

DOP Smoke Penetration

0.001

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

51

*mm H₂O @
10.5 ft/minute*

ASTM Method D-2986

Tensile Strength MD

3.0

lbs / inches

TAPPI Method T494

Tensile Strength CD

2.5

lbs / inches

TAPPI Method T494

Dry Elongation MD

2.5

%

TAPPI Method T494

Dry Elongation CD

2.5

%

TAPPI Method T494

Frazier Permeability

-

*ft³ / min / ft² @
0.5in H₂O W.G.*

ASTM Method F778-82

Gurley Stiffness

-

mg

TAPPI Method T543

Water Repellency

-

Inches H₂O

Ignition Loss

Binderless

% Loss

Comments:

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 define our products and hence the specifications are subject to change.