

Technical Data Sheet

Material Designation

B-85

Material Properties
Summary

☒ *Binderless*

☐ *Organic Binder*

☐ *Double Laminated*

☐ *Acrylic Binder*

☐ *Laminated*

☐ *Hydrophobic*

This is a binderless, high efficiency (HEPA type) filter medium specifically designed for analytical applications. High flow rate with high capacity. This binderless borosilicate glass fiber media has no added extractables to aid in the elimination of sample contamination. Excellent wet strength.

Common usage includes gravimetric analysis of air pollutants and membrane prefilters. Also used for testing dissolved and suspended solids in wastewater.

Micron rating

1

μm

Basis Weight

48

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.018

inches - 4 psi

TAPPI Method T411

Mean Pore Size

3.6

μm

DOP Smoke Penetration

0.008

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

37

*mm H₂O @
10.5 ft/minute*

ASTM Method D-2986

Tensile Strength MD

3.0

lbs / inches

TAPPI Method T494

Tensile Strength CD

2.0

lbs / inches

TAPPI Method T494

Dry Elongation MD

3.0

%

TAPPI Method T494

Dry Elongation CD

4.0

%

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:

*Applications include:
Common in as moisture analysis pad, also used
for suspended solids and various air monitoring.*

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.