

Technical Data Sheet

Material Designation

B-800

Material Properties
Summary

☒ **Binderless**

☐ **Organic Binder**

☐ **Double Laminated**

☐ **Acrylic Binder**

☐ **Laminated**

☐ **Hydrophobic**

A binderless grade engineered as a wicking material for IVD and life science applications. The material is manufactured using an advanced reverse osmosis water filtration system and is completely void of any binder content. Proprietary techniques produce an excellent wet strength material with a less pronounced screen to felt pattern.

This material has a lower density than other media in the Tremont "B" class resulting in a higher absorbency rate with liquids in a density range of 1020 to 1070 kg/M3. Optimal for liquids in viscosity coefficient of 0.0020 to 0.0033 N-s/m² (at 37 degrees Celsius).

Micron rating

9

μm

Basis Weight

40

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.011 - 0.013

inches - 4 psi

TAPPI Method T411

Mean Pore Size

11

μm

DOP Smoke Penetration

n/a

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

n/a

*mm H₂O @
10.5 ft/minute*

ASTM Method D-2986

Tensile Strength MD

3.5

lbs / inches

TAPPI Method T494

Tensile Strength CD

2.5

lbs / inches

TAPPI Method T494

Dry Elongation MD

3.5

%

TAPPI Method T494

Dry Elongation CD

4.5

%

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.