

Technical Data Sheet

Material Designation

B-136

Material Properties
Summary

☐ *Binderless*

☐ *Organic Binder*

☐ *Double Laminated*

☒ *Acrylic Binder*

☐ *Laminated*

☒ *Hydrophobic*

This low resistance, high flow HEPA media is comprised of borosilicate glass with acrylic binder. The media is optimal for pleating and mini-pleating operations as it has the ability to be heat set as well as deep-pleat with support.

Product has found significant commercialization in; aspiration filters, filters used for smoke evacuation within electronic soldering operations and surgical theaters, filter cartridges for analytical animal cages and high pass cabin filtration units in the automotive market, clean room and containment box units.

Micron rating

HEPA (99.99)

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

0.010

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

29.5

*mm H₂O @
10.5 ft/minute*

ASTM Method D-2986

Tensile Strength MD

7.0

lbs / inches

TAPPI Method T494

Tensile Strength CD

4.0

lbs / inches

TAPPI Method T494

Dry Elongation MD

1.0

%

TAPPI Method T494

Dry Elongation CD

1.5

%

TAPPI Method T494

Frazier Permeability

n/a

*ft³ / min / ft² @
0.5in H₂O W.G.*

ASTM Method F778-82

Gurley Stiffness

1200

mg

TAPPI Method T543

Water Repellency

25

Inches H₂O

Ignition Loss

5.5

% 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 refine our products and hence the specifications are subject to change.