

Technical Data Sheet

Material Designation

E-18

Material Properties
Summary

- Binderless* *Organic Binder* *Double Laminated*
 Acrylic Binder *Laminated* *Hydrophobic*

This is a medium efficiency material recommended for use as a prefilter or high volume filter for aerosol filtration. This grade is composed of a blend of borosilicate glass microfibers which are bonded by an acrylic resin binder.

Micron rating

n/a

μm

Basis Weight

39

lbs/3,000 ft²
TAPPI Method T410

Caliper Thickness

0.015

inches - 4 psi
TAPPI Method T411

Mean Pore Size

n/a

μm

DOP Smoke Penetration

15

% at 0.3 μm @
10.5 ft/minute

ASTM Method D-2986

Air Flow Resistance

8

mm H₂O @
10.5 ft/minute
ASTM Method D-2986

Tensile Strength MD

5.0

lbs / inches
TAPPI Method T494

Tensile Strength CD

3.5

lbs / inches
TAPPI Method T494

Dry Elongation MD

1.5

%

TAPPI Method T494

Dry Elongation CD

2.0

%

TAPPI Method T494

Frazier Permeability

27

ft³ / min / ft² @
0.5in H₂O W.G.

ASTM Method F778-82

Gurley Stiffness

-

mg
TAPPI Method T543

Water Repellency

n/a

Inches H₂O

Ignition Loss

5.0

% 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.