

Technical Data Sheet

Material Designation

E-13

Material Properties
Summary

☐ Binderless

☐ Organic Binder

☐ Double Laminated

☒ Acrylic Binder

☐ Laminated

☐ Hydrophobic

This is a medium efficiency, high capacity filter medium that is suitable for applications requiring high air porosity or rapid liquid filtration. This grade is made from a blend of borosilicate glass microfibers which are bonded by an acrylic resin. It is recommended for ASHRAE applications in the efficiency range of 90-95%.

Micron rating

10-12

μm

Basis Weight

50

$\text{lbs}/3,000 \text{ ft}^2$

TAPPI Method T410

Caliper Thickness

0.018

$\text{inches} - 4 \text{ psi}$

TAPPI Method T411

Mean Pore Size

DOP Smoke Penetration

37

% at $0.3 \mu\text{m}$ @
10.5 ft/minute

ASTM Method D-2986

Air Flow Resistance

5

$\text{mm H}_2\text{O}$ @
10.5 ft/minute

ASTM Method D-2986

Tensile Strength MD

6.0

$\text{lbs} / \text{inches}$

TAPPI Method T494

Tensile Strength CD

4.0

$\text{lbs} / \text{inches}$

TAPPI Method T494

Dry Elongation MD

1.5

%

TAPPI Method T494

Dry Elongation CD

2.5

%

TAPPI Method T494

Frazier Permeability

27

$\text{ft}^3 / \text{min} / \text{ft}^2$ @
0.5in H_2O W.G.

ASTM Method F778-82

Gurley Stiffness

-

mg

TAPPI Method T543

Water Repellency

-

$\text{Inches H}_2\text{O}$

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.