

Technical Data Sheet

Material Designation

C-45

Material Properties
Summary

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

This is a high efficiency multi-purpose filter material with moderate heat resistance. The basis weight and thickness are higher than normal to provide greater filter capacity. This grade is recommended for applications where some depth penetration and lower plugging rates are favored over surface removal of particulates. This material consists of borosilicate glass microfibers bonded with high amounts of acrylic resin.

Micron rating

1-2

μm

Basis Weight

130

lbs/3,000 ft²
TAPPI Method T410

Caliper Thickness

0.048

inches - 4 psi
TAPPI Method T411

Mean Pore Size

4.3

μm

DOP Smoke Penetration

0.015

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

40

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

Tensile Strength MD

7.0

lbs / inches
TAPPI Method T494

Tensile Strength CD

6.0

lbs / inches
TAPPI Method T494

Dry Elongation MD

1.5

%

TAPPI Method T494

Dry Elongation CD

2.0

%

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

8.0

% Loss

Comments: *Industrial base grade*

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.