

Technical Data Sheet

Material Designation

C-42

Material Properties
Summary

☐ Binderless

☐ Organic Binder

☐ Double Laminated

☒ Acrylic Binder

☐ Laminated

☐ Hydrophobic

This is a high efficiency multi-purpose filter material with very good 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 low amounts of acrylic resin.

Micron rating

1-2

μm

Basis Weight

125

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.045

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

36

*mm H₂O @
10.5 ft/minute*

ASTM Method D-2986

Tensile Strength MD

6.5

lbs / inches

TAPPI Method T494

Tensile Strength CD

5.0

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

5.0

% Loss

Comments:

Suitable for EPA method 1664, rev.A for N-Hexane Extractable Material (HEM; Oil and Grease). NOTE: This product is not pre-loaded with C18 silica beads.

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.