

I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers

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Technical Data Sheet

Material Designation

B-84

Material Properties
Summary

Binderless

Organic Binder

Double Laminated

Acrylic Binder

Laminated

Hydrophobic

This product is a high efficiency multipurpose filter material with very good heat resistance. The basis weight and thickness are lower than normal to provide less bulk for sandwich type filter construction. It is recommended for liquid filtration for surface removal of particulate matter. This grade consists of glass microfibers with low amounts of acrylic resin.

Hydrophobic media

Micron rating

1-2

μm

Basis Weight

37

lbs/3,000 ft²
TAPPI Method T410

Caliper Thickness

0.012

inches - 4 psi
TAPPI Method T411

Mean Pore Size

3.6

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

6.0

lbs / inches
TAPPI Method T494

Tensile Strength CD

3.0

lbs / inches
TAPPI Method T494

Dry Elongation MD

2.0

%

TAPPI Method T494

Dry Elongation CD

2.5

%

TAPPI Method T494

Frazier Permeability

-

ft³ / min / ft² @
0.5in H₂O W.G.

ASTM Method F778-82

Gurley Stiffness

450

mg

TAPPI Method T543

Water Repellency

20.0

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.