

Technical Data Sheet

Material Designation

LB-84

Material Properties
Summary

☐ Binderless

☒ Acrylic Binder

☐ Organic Binder

☒ Laminated

☐ Double Laminated

☒ Hydrophobic

This laminated glass product is a high efficiency, hydrophobic, multi-purpose filter medium with good heat resistance. It is particularly recommended for both gas and liquid filtration in the medical field and for monitoring applications.

The base material consists of glass microfibers with 3-7% acrylic resin binder. The supporting scrim is a 0.5 oz/yd² Reemay, a high strength spun bonded polyester nonwoven. The scrim can be applied to either side depending on the filter design.

The scrim is bonded to the glass media using a polyester hot melt which has a melting point of 325 degrees F.

Micron rating

1-2

μm

Basis Weight

54

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.015

inches - 4 psi

TAPPI Method T411

Mean Pore Size

3.3

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

6.0

lbs / inches

TAPPI Method T494

Tensile Strength CD

-

lbs / inches

TAPPI Method T494

Dry Elongation MD

-

%

TAPPI Method T494

Dry Elongation CD

-

%

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

20

Inches H₂O

Ignition Loss

-

% 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.