

Technical Data Sheet

Material Designation

LL-85

Material Properties
Summary

Binderless

Organic Binder

Double Laminated

Acrylic Binder

Laminated

Hydrophobic

This product is a very high efficiency multipurpose filter material with good heat resistance. This medium is effective for both gas and liquid filtration 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 scrims are bonded to the glass media using a polyester hot melt which has a melting point of 325 degrees F.

Micron rating

<1

μm

Basis Weight

81

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.018

inches - 4 psi

TAPPI Method T411

Mean Pore Size

1.6

μm

DOP Smoke Penetration

0.000

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

54

*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

-

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.