

Technical Data Sheet

Material Designation

LL-82

Material Properties
Summary

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

This is an ultra high efficiency filter medium produced from extremely fine borosilicate glass microfibers with an acrylic resin binder. This grade can be utilized as an ultrafine liquid filter by itself, or as a prefilter for increasing life in a membrane system. It is suggested for use in analytical or process biochemistry.

The base material consists of glass microfibers with 3-7% acrylic resin binder. The supporting scrims are 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

73

lbs/3,000 ft²
TAPPI Method T410

Caliper Thickness

0.017

inches - 4 psi
TAPPI Method T411

Mean Pore Size

1.5

μm

DOP Smoke Penetration

0.000

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

-

*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.