

Technical Data Sheet

Material Designation

LL-23

Material Properties
Summary

Binderless

Organic Binder

Double Laminated

Acrylic Binder

Laminated

Hydrophobic

This laminated glass medium is designed for specialty liquid filtration applications for filtration of particles greater than 3 microns. It is higher in basis weight for improved dirt-holding capacity.

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

Micron rating

3-5

μm

Basis Weight

92

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.023

inches - 4 psi

TAPPI Method T411

Mean Pore Size

5.8

μm

DOP Smoke Penetration

3

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

19

*mm H₂O @
10.5 ft/minute*

ASTM Method D-2986

Tensile Strength MD

9.0

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.