

I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers

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Technical Data Sheet

Material Designation

LL-42

Material Properties
Summary

Binderless

Organic Binder

Double Laminated

Acrylic Binder

Laminated

Hydrophobic

This laminated glass product is a high efficiency multi-purpose filter medium with good heat resistance. The basis weight and thickness are higher than normal to provide greater filter capacity. This grade is recommended for applications where some depth penetration and lower plugging rates are favored over surface removal of particulates.

The supporting scrim is a 0.5 Oz/yd² Reemay, a high-strength spun bonded polyester nonwoven, which is bonded to both sides of the base paper.

Both scrims are 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

155

lbs/3,000 ft²
TAPPI Method T410

Caliper Thickness

0.052

inches - 4 psi
TAPPI Method T411

Mean Pore Size

4.1

μm

DOP Smoke Penetration

0.010

% at 0.3 μm @
10.5 ft/minute

ASTM Method D-2986

Air Flow Resistance

37

mm H₂O @
10.5 ft/minute

ASTM Method D-2986

Tensile Strength MD

8.0

lbs / inches

TAPPI Method T494

Tensile Strength CD

5.0

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.