

### Technical Data Sheet

Material Designation

LL-72

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. It is particularly recommended for both gas and liquid filtration in the medical field and for air monitoring applications. The base material consists of glass microfibers with 3-7% acrylic resin binder.

The supporting scrim is a 0.5 oz/yd<sup>2</sup> Reemay, a high strength spun bonded polyester nonwoven, which is laminated to both sides of the base media.

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

#### Micron rating

1-2

$\mu\text{m}$

#### Basis Weight

71

lbs/3,000 ft<sup>2</sup>  
TAPPI Method T410

#### Caliper Thickness

0.017

inches - 4 psi  
TAPPI Method T411

#### Mean Pore Size

3.1

$\mu\text{m}$

#### DOP Smoke Penetration

0.010

% at 0.3  $\mu\text{m}$  @  
10.5 ft/minute

ASTM Method D-2986

#### Air Flow Resistance

39

mm H<sub>2</sub>O @  
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

-

ft<sup>3</sup> / min / ft<sup>2</sup> @  
0.5in H<sub>2</sub>O W.G.

ASTM Method F778-82

#### Gurley Stiffness

-

mg

TAPPI Method T543

#### Water Repellency

-

Inches H<sub>2</sub>O

#### 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.