

Technical Data Sheet

Material Designation

ELM01

Material Properties
Summary

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

Binderless glass microfiber filter media demonstrating a smooth wire side and medium texture felt side. Bright white color. This media has been specifically designed for use in applications requiring extra low metal content. A proprietary production process is utilized to rinse the glass matrix and significantly lower trace metals content without compromising the glass fiber surfaces.

Micron rating

1.2

μm

Basis Weight

25

lbs/3,000 ft²
TAPPI Method T410

Caliper Thickness

.017

inches - 4 psi
TAPPI Method T411

Mean Pore Size

n/a

μm

DOP Smoke Penetration

n/a

% at 0.3 μm @
10.5 ft/minute

ASTM Method D-2986

Air Flow Resistance

n/a

mm H₂O @
10.5 ft/minute
ASTM Method D-2986

Tensile Strength MD

4.2

lbs / inches
TAPPI Method T494

Tensile Strength CD

2.6

lbs / inches
TAPPI Method T494

Dry Elongation MD

%

TAPPI Method T494

Dry Elongation CD

n/a

%
TAPPI Method T494

Frazier Permeability

n/a

ft³ / min / ft² @
0.5in H₂O W.G.

ASTM Method F778-82

Gurley Stiffness

n/a

mg
TAPPI Method T543

Water Repellency

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Inches H₂O

Ignition Loss

Binderless

% Loss

Comments:

Grade demonstrates a wet burst of 17.5-20.5 and is consistent with other binderless grades of this thickness and basis weight.

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.