

# I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers

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## Technical Data Sheet

Material Designation

**E-15**

Material Properties  
Summary

Binderless     Organic Binder     Double Laminated  
 Acrylic Binder     Laminated     Hydrophobic

This is a medium efficiency, high capacity filter medium that is suitable for applications requiring high air porosity or rapid liquid filtration. This grade is made from a blend of borosilicate glass microfibers which are bonded by an acrylic resin. It is recommended for ASHRAE applications in the efficiency range of 90-95%.

Hydrophobic media.

### Micron rating

10-12

$\mu\text{m}$

### Basis Weight

50

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

### Caliper Thickness

0.018

inches - 4 psi  
TAPPI Method T411

### Mean Pore Size

$\mu\text{m}$

### DOP Smoke Penetration

37

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

ASTM Method D-2986

### Air Flow Resistance

5

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

4.0

lbs / inches  
TAPPI Method T494

### Dry Elongation MD

1.5

%

TAPPI Method T494

### Dry Elongation CD

2.5

%

TAPPI Method T494

### Frazier Permeability

27

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

ASTM Method F778-82

### Gurley Stiffness

-

TAPPI Method T543

### Water Repellency

20

Inches H<sub>2</sub>O

### Ignition Loss

5.0

% 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.