I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **Grade A-E**

Material Properties Summary

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

This is a binderless, high efficiency (HEPA type) filter medium specifically designed for analytical applications. High flow rate with high capacity. This binderless borosilicate glass fiber media has no added extractables to aid in the elimination of sample contamination. Excellent wet strength.

Common usage includes gravimetric analysis of air pollutants and membrane prefilters. Also used for testing dissolved and suspended solids in wastewater.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
1	48	0.018	3.6
µm	*lbs/3,000 ft^2* *TAPPI Method T410*	*inches - 4 psi* *TAPPI Method T411*	*µm*

DOP Smoke Penetration	Air Flow Resistance	Tensile Strength MD	Tensile Strength CD
0.008	37	3.0	2.0
% at 0.3 µm @ 10.5 ft/minute *ASTM Method D-2986*	*mm H_2O @ 10.5 ft/minute* *ASTM Method D-2986*	*lbs / inches* *TAPPI Method T494*	*lbs / inches* *TAPPI Method T494*

Dry Elongation MD	Dry Elongation CD	Frazier Permeability	Gurley Stiffness
3.0	4.0	-	-
% *TAPPI Method T494*	*%* *TAPPI Method T494*	*ft^3 / min / ft^2 @ 0.5in H_2O W.G.* *ASTM Method F778-82*	*mg* *TAPPI Method T543*

Water Repellency	Ignition Loss
-	Binderless
Inches H_2O	*% Loss*

Comments: *Applications include: Common in as moisture analysis pad, also used for suspended solids and various air monitoring.*

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.