I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **Grade A**

Material Properties Summary

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

This pure borosilicate glass micro fiber material is manufactured without the use of binders prior to or pulping or after wet-lay process. The media demonstrates excellent fine particle retention. High particle retention efficiency for filtration of large volumes. Softening point of glass fiber is 500°C, therefore upper limit temperature in use is 475°C. Low fiber shedding improves quality assurance of test results. High loading capacity. Fiber length easily allows for controlled fusing in well regulated heat treating processes to increase tensile strength as well as burn off organic extractables.

Material is autoclavable on fine mesh support.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
1.5	33.8	0.011	2.25
µm	*lbs/3,000 ft²* *TAPPI Method T410*	*inches - 4 psi* *TAPPI Method T411*	*µm*

DOP Smoke Penetration	Air Flow Resistance	Tensile Strength MD	Tensile Strength CD
.04	-	8	6
% 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
-	-	-	-
% *TAPPI Method T494*	*%* *TAPPI Method T494*	*ft³ / min / ft² @ 0.5in H_2O W.G.* *ASTM Method F778-82*	*mg* *TAPPI Method T543*

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

Comments:
Initial Filtration Speed (secs/100ml) = 49
Wet Burst (kPa) = 4.0
Wet Burst (psi) = 0.62
Color white, surface smooth.

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.