I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
18 Utter Avenue - Hawthorne, New Jersey 07506

Tel: 973-427-3800
Fax: 973-427-3778
www.iwtremont.com

Technical Data Sheet

Material Designation: **Grade E**

Material Properties Summary

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

This binderless glass micro fiber material demonstrates excellent fine particle retention. High particle retention efficiency for filtration of large volumes. Ideally suited for suspended solids analysis and high volume air monitoring applications. 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.

This media meets requirements for standard method 2540D and EPA Method 160.2 for establishing water quality in suspended solids content. Total Suspended Solids (TSS) are defined as those which are retained by a binderless glass micro fiber filter.

Widely used in air pollution monitoring. Also used in Cell harvesting and Liquid scintillation counting.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
1.5	39	0.017	-
µm	*lbs/3,000 ft²*	*inches - 4 psi*	*µm*
	TAPPI Method T410	*TAPPI Method T411*	

DOP Smoke Penetration	Air Flow Resistance	Tensile Strength MD	Tensile Strength CD
.02	-	-	-
% at 0.3 µm @ 10.5 ft/minute	*mm H_2O @ 10.5 ft/minute*	*lbs / inches*	*lbs / inches*
ASTM Method D-2986	*ASTM Method D-2986*	*TAPPI Method T494*	*TAPPI Method T494*

Dry Elongation MD	Dry Elongation CD	Frazier Permeability	Gurley Stiffness
-	-	-	-
%	*%*	*ft³ / min / ft² @ 0.5in H_2O W.G.*	*mg*
TAPPI Method T494	*TAPPI Method T494*	*ASTM Method F778-82*	*TAPPI Method T543*

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

Comments:
Initial Filtration Speed (secs/100ml) = 49
Wet Burst (kPa) = 3.6
Wet Burst (psi) = 0.57
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.