I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **B-136**

Material Properties Summary

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

This low resistance, high flow HEPA media is comprised of borosilicate glass with acrylic binder. The media is optimal for pleating and mini-pleating operations as it has the ability to be heat set as well as deep-pleat with support.

Product has found significant commercialization in; aspiration filters, filters used for smoke evacuation within electronic soldering operations and surgical theaters, filter cartridges for analytical animal cages and high pass cabin filtration units in the automotive market, clean room and containment box units.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
HEPA (99.99)	48	0.016	
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
0.010	29.5	7.0	4.0
% 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
1.0	1.5	n/a	1200
% *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	Comments:
25	5.5	
Inches H_2O	*% Loss*	

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 refine our products and hence the specifications are subject to change.