I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **B-800**

Material Properties Summary:
☒ *Binderless* ☐ *Organic Binder* ☐ *Double Laminated*
☐ *Acrylic Binder* ☐ *Laminated* ☐ *Hydrophobic*

A binderless grade engineered as a wicking material for IVD and life science applications. The material is manufactured using an advanced reverse osmosis water filtration system and is completely void of any binder content. Proprietary techniques produce an excellent wet strength material with a less pronounced screen to felt pattern.

This material has a lower density than other media in the Tremont "B" class resulting in a higher absorbency rate with liquids in a density range of 1020 to 1070 kg/M3. Optimal for liquids in viscosity coefficient of 0.0020 to 0.0033 N-s/m2 (at 37 degrees Celsius).

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
9	40	0.011 - 0.013	11
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
n/a	n/a	3.5	2.5
% 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
3.5	4.5	-	-
% *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:

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.