I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **ELM01**

Material Properties Summary

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

Binderless glass microfiber filter media demonstrating a smooth wire side and medium texture felt side. Bright white color. This media has been specifically designed for use in applications requiring extra low metal content. A proprietary production process is utilized to rinse the glass matrix and significantly lower trace metals content without compromising the glass fiber surfaces.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
1.2	25	.017	n/a
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	4.2	2.6
% 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
	n/a	n/a	n/a
% *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: *Grade demonstrates a wet burst of 17.5-20.5 and is consistent with other binderless grades of this thickness and basis weight.*

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.