I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **LL-82**

Material Properties Summary

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

This is an ultra high efficiency filter medium produced from extremely fine borosilicate glass microfibers with an acrylic resin binder. This grade can be utilized as an ultrafine liquid filter by itself, or as a prefilter for increasing life in a membrane system. It is suggested for use in analytical or process biochemistry.

The base material consists of glass microfibers with 3-7% acrylic resin binder. The supporting scrims are a 0.5 oz/yd2 Reemay, a high strength spun bonded polyester nonwoven.

The scrims are bonded to the glass media using a polyester hot melt which has a melting point of 325 degrees F.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
<1	73	0.017	1.5
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
0.000	-	6.0	-
% 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
-	-	-	-
% *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	Comments:
-	-	
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 define our products and hence the specifications are subject to change.