I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **LC-42**

Material Properties Summary

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

This laminated glass product is a high efficiency multi-purpose filter medium with good heat resistance. The basis weight and thickness are higher than normal to provide greater filter capacity. This grade is recommended for applications where some depth penetration and lower plugging rates are favored over surface removal of particulates.

The base material consists of glass microfibers with 3-7% acrylic resin binder. The supporting scrim is a 0.5 oz/yd2 Reemay, a high strength spun bonded polyester nonwoven. The scrim can be applied to either side depending on the filter design.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
1-2	140	0.048	4.3
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	37	8.0	-
% 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*	*ft^3 / min / ft^2 @ 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.