I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **RG**

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. It is particularly recommended for both gas and liquid filtration in the medical field and for monitoring applications.

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.

The scrim is bonded to the glass media using a polyester hot melt which as a melting point of 325 degrees F.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
1-2	54	0.015	3.3
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
0.015	36	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
-	-
Inches H_2O	*% Loss*

Comments: *Widely used in monitoring air in and around nuclear sites.*

Suitable as a bioreactor cell attachment scaffold media.

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.