I.W. Tremont Co., Inc.

Filter & Technical Specialty Papers
18 Utter Avenue - Hawthorne, New Jersey 07506

Tel: 973-427-3800
Fax: 973-427-3778
www.iwtremont.com

Technical Data Sheet

Material Designation: **F-23**

Material Properties Summary

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

This glass filter material is suitable for use as primary filter in industrial, electronic component installation and HEAF (high efficiency air filtration) applications whereby VOC's must be removed from airflow in mid-to high volume. It can also be used as a prefilter for high efficiency aerosol filtration. This material has also found use in large volume space filtration such as ASHRAE applications (50-60% efficiency). This media contains an acrylic binder system that bonds and aids particulate capture and entrapment of organics. Material can be saturated with aqueous chemistry for reactive purposes to yield more dynamic results. Can be custom run as a highly hydrophobic media by the addition of and a water repellent additives when required.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
5.0	85	0.050	7.0
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	200	15.0	10.0
% 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
n/a	n/a	n/a	2200
% *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
n/a	3.5
Inches H_2O	*% Loss*

Comments: *Widely used in HEAF systems employed at production plants such as rubber molding, resin injection molding and blow molding operations to comply with EPA effluent and VOC reduction programs.*

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.