

### Technical Data Sheet

Material Designation

**934-AH®**

Material Properties  
Summary

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

This binderless glass micro fiber material demonstrates excellent fine particle retention. High particle retention efficiency for filtration of large volumes. Ideally suited for suspended solids analysis. Temperature usage up to 550°C. Low fiber shedding improves quality assurance of test results. High loading capacity.

This media is specified in standard method 2540D and EPA Method 160.2 for establishing water quality in suspended solids content. Total Suspended Solids (TSS) are defined as those which are retained by a binderless glass micro fiber filter.

Widely used in air pollution monitoring. Also used in Cell harvesting and Liquid scintillation counting.

#### Micron rating

1.5

$\mu\text{m}$

#### Basis Weight

39

*lbs/3,000 ft<sup>2</sup>*  
TAPPI Method T410

#### Caliper Thickness

0.017

*inches - 4 psi*  
TAPPI Method T411

#### Mean Pore Size

-

$\mu\text{m}$

#### DOP Smoke Penetration

.02

*% at 0.3  $\mu\text{m}$  @  
10.5 ft/minute*

ASTM Method D-2986

#### Air Flow Resistance

-

*mm H<sub>2</sub>O @  
10.5 ft/minute*  
ASTM Method D-2986

#### Tensile Strength MD

-

*lbs / inches*  
TAPPI Method T494

#### Tensile Strength CD

-

*lbs / inches*  
TAPPI Method T494

#### Dry Elongation MD

-

%

TAPPI Method T494

#### Dry Elongation CD

-

%

TAPPI Method T494

#### Frazier Permeability

-

*ft<sup>3</sup> / min / ft<sup>2</sup> @  
0.5in H<sub>2</sub>O W.G.*

ASTM Method F778-82

#### Gurley Stiffness

-

*mg*

TAPPI Method T543

#### Water Repellency

-

*Inches H<sub>2</sub>O*

#### Ignition Loss

Binderless

*% Loss*

#### Comments:

*Initial Filtration Speed (secs/100ml) = 47  
Wet Burst (kPa) = 3.7  
Wet Burst (psi) = 0.54  
Color white, surface smooth.  
Trademark owned by Whatman Inc.*

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.