

### Technical Data Sheet

Material Designation

1810

Material Properties  
Summary

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

Borosilicate glass media ideal for diagnostic, analytical and medical applications. This binderless media can be used for a very wide range of applications where there are needs for high capacity, uniform wicking, low nonspecific binding and sensitivity. This media demonstrates extremely high lot-to-lot consistency.

This material can be enhanced with additives for specific applications if required.

**Micron rating**

2.6

$\mu\text{m}$

**Basis Weight**

46

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

**Caliper Thickness**

0.0195

*inches - 4 psi*  
TAPPI Method T411

**Mean Pore Size**

$\mu\text{m}$

**DOP Smoke Penetration**

% 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**

3.1

*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:

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.