

Technical Data Sheet

Material Designation

1814

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

3.2

μm

Basis Weight

54.0

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.0210

inches - 4 psi

TAPPI Method T411

Mean Pore Size

DOP Smoke Penetration

% at 0.3 μm @
10.5 ft/minute

ASTM Method D-2986

Air Flow Resistance

mm H₂O @
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

4.0

ft³ / min / ft² @
0.5in H₂O W.G.

ASTM Method F778-82

Gurley Stiffness

mg

TAPPI Method T543

Water Repellency

Inches H₂O

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.