

Technical Data Sheet

Material Designation

D-29

Material Properties
Summary

☐ Binderless

☐ Organic Binder

☐ Double Laminated

☒ Acrylic Binder

☐ Laminated

☒ Hydrophobic

This medium weight filter medium combines good aerosol filtration efficiency with high porosity. It is composed of microfiberglass borosilicate fibers and an acrylic resin binder. Suggested uses include air and gas filtration in the computer and medical fields.

Micron rating

3-5

μm

Basis Weight

48

lbs/3,000 ft²

TAPPI Method T410

Caliper Thickness

0.016

inches - 4 psi

TAPPI Method T411

Mean Pore Size

-

μm

DOP Smoke Penetration

3.0

*% at 0.3 μm @
10.5 ft/minute*

ASTM Method D-2986

Air Flow Resistance

14.5

*mm H₂O @
10.5 ft/minute*

ASTM Method D-2986

Tensile Strength MD

5.0

lbs / inches

TAPPI Method T494

Tensile Strength CD

4.0

lbs / inches

TAPPI Method T494

Dry Elongation MD

1.5

%

TAPPI Method T494

Dry Elongation CD

2.5

%

TAPPI Method T494

Frazier Permeability

-

*ft³ / min / ft² @
0.5in H₂O W.G.*

ASTM Method F778-82

Gurley Stiffness

1000

mg

TAPPI Method T543

Water Repellency

-

Inches H₂O

Ignition Loss

5.0

% Loss

Comments:

Can be made with grade variants such as non-hydrophobic, containing fungicide and/ or either combination.

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.