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Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **D-23**

Material Properties Summary

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

This heavy weight filter medium combines good aerosol filtration efficiency with high porosity. It is composed of microfiberglass borosilicate fibers and an acrylic resin binder. This diagnostics level material is ideally suited for blood cell separation in cross flow applications where a high loading capacity is necessary, while retention of cells with minimal damage is required. The material also works well for cross flow application where specialized coating and wicking techniques are employed.

Alternative applications include air and gas filtration in surgical theaters, prefiltration in venting applications and many other diagnostic wicking solutions.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
3-5	58	0.020	6.0
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
2.9	15	8.0	4.0
% 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
1.5	2.5	-	1000
% *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
-	5.0
Inches H_2O	*% Loss*

Comments: *Material is manufactured in an FDA certified facility with materials easily approvable for 510k applications, but does not carry a 510k pre approval.*

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.