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Filter & Technical Specialty Papers
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Technical Data Sheet

Material Designation: **QA - QUARTZ**

Material Properties Summary

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

This microfiber depth filter contains binder-free quartz (SiO_2) microfibers. High purity levels are due in part to the inherently low trace metal content of the quartz media. Quartz microfiber also demonstrates a very high heat resistance with a maximum temperature of 1000ºC.

Chemically resistant against all solvents, acids (except hydrofluoric acid) and basis. This filter media is ideally suited for laboratory filtration of aggressive media, trace analysis typical to environmental methods and conveyance of samples into and out of high temperature furnaces and environments.

Micron rating	Basis Weight	Caliper Thickness	Mean Pore Size
2.1 - 2.2	(87g/m²)	.048	1.5
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
99.999	95	7.3	
% 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
n/a	n/a	n/a	26
% *TAPPI Method T494*	*%* *TAPPI Method T494*	*ft³ / min / ft² @ 0.5in H_2O W.G.* *ASTM Method F778-82*	*mg* *TAPPI Method T543*

Water Repellency	Ignition Loss
n/a	binderless
Inches H_2O	*% Loss*

Comments: *Industry equivalents are Whatman QMA, S&S QF-20, MFS QR-100, Pall MicroQuartz*

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.