



## Ahlstrom Quartz Filters

Two products for a complete offer for airborne particulate monitoring in high temperatures and aggressive atmospheres or when the lowest level of trace elements analysis is required.

### MK 5

- High purity quartz microfibers filter
- Can be used up to 1000°F
- First choice for PM10/PM2.5 air monitoring

### MK 360

- 100% high-purity quartz microfibers filter
- Recommended for high temperature air sampling (1800°F)
- Lowest content of heavy metals and trace elements

### Typical grade properties

Filter media	Test method used	MK 5	MK 360
Filter thickness (mm)	ISO 534:2005	0.42 ±0.1	0.42 ±0.1
Wet Burst (mm H <sub>2</sub> O)	ISO 3689:1994	> 300	> 200
Particle retention 0.3 µm (%)	ASTM D 2986-91	>99.998	>99.998
Flow Rate (s)	ISO 5636/5:2003	1.4 ±0.1	1.4 ±0.1
Tensile strength (MD) (g/15mm)	ASTM D 828-97	> 400	> 100
Brittleness at high temperature	Test for Fiber Filters	Pass	Pass
Weight loss (% filter)	Ahlstrom Internal Test	< 0.75	< 0.75
Lead content (µg/g of filter)	EPA RFM (40 CRF 50)	0.5 ±0.2	0.3 ±0.2
Alkalinity (µeq/g of filter)	T 428 om-99	< 15	< 1
Trace Element Analysis	ICP analysis	Low amount	Lowest amount

Grade	Pcs/Pack	Circles (mm)									Sheets (mm) 8 x 10
		25	37	45	47	50	90	102	142	150	
MK 5	50	0050-0250	0050-0370	0050-0450	0050-0470	0050-0500	0050-0900	0050-1020	0050-1420	0050-1500	0050-0810*
MK 360	25	3600-0250	3600-0370	3600-0450	3600-0470	3600-0500	3600-0900	3600-1020	3600-1420	3600-1500	3600-0810

\* Pcs/pack: 25

**DISCLAIMER:** The information supplied in this document is for guidance only and should not be construed as a warranty. All implied warranties are expressly disclaimed, including without limitation any warranty of merchantability or fitness for use. All users of the material are responsible for ensuring that it is suitable for their needs, environment and end use. All data is subject to change as Ahlstrom deems appropriate.

© Ahlstrom Corporation 2016



**CHROMATOGRAPHIC  
SPECIALTIES INC.**

www.chromspec.com

1-800-267-8103 • sales@chromspec.com • tech@chromspec.com

