AHLSTROM

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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_2O)	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)
		25	37	45	47	50	90	102	142	150	8 x 10
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