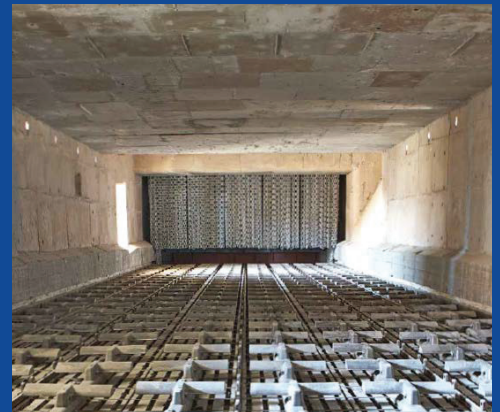


## AFT® H Aramid Filter Bags For Clinker Cooler Baghouses

Micronics' filter bags can help cement plants maintain regulatory compliance, reduce operating costs, and eliminate unplanned outages. Micronics can supply a wide range of filter media and finishes for all OEM baghouse styles and types including pulse-jet, reverse-air, and shaker.

Since the implementation of stringent National Emission Standards for Hazardous Air Pollutants (NESHAP) regulations, cement plants have needed to reconsider filter media options and baghouse practices. In some cases, plants still have baghouses with older designs and they may experience challenges such as being undersized or having failing structural issues with tubesheets, inlet diffusers, and door seals. Another concern is that clinker dust is considered very abrasive and, combined with high inlet velocities, may make ePTFE membrane products vulnerable to the effects of abrasion.

Cement plants have been looking for a filter bag option that can meet tough conditions while still providing the needed dust capture efficiencies to stay NESHAP-compliant. **AFT® H Aramid Filter Bags** are a leading solution for Clinker Cooler Baghouses. Besides achieving better filtration results, they help achieve increased bag life.



The main benefits of our **AFT® H Aramid Filter Bags** include:

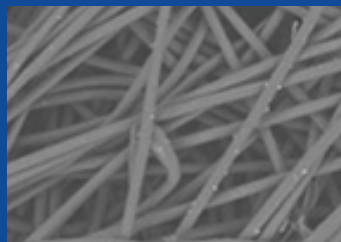
- Best available technology for non-membrane filter media, both in efficiency and differential pressure (DP)
- Longer filter bag life
- Able to withstand challenging conditions, both high inlet velocities and highly abrasive dust
- No membrane concerns with the abrasive dust, yet nearly the same dust capture efficiencies
- NESHAP - compliant

Through our family of trusted brands, the Micronics Engineered Filtration Group provides the industry's best Total Engineered Filtration Solutions, helping our customers maximize performance and lower cost-of-ownership.

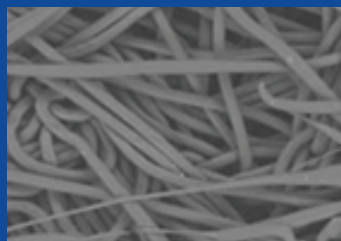
## AFT® H Aramid Filter Bags For Clinker Cooler Baghouses

### Benefits:

- Increased Efficiencies
- Lower Differential Pressure
- Increased Durability
- Lower Operational Costs
- Longer Bag Life



Needlefelt 150x magnification



AFT® H 150x magnification

AFT® H Aramid vs. Aramid with ePTFE Membrane Filter Bags		
	12 oz AFT H Aramid	16 oz PPS Aramid Membrane
Support	Fiber	Fiber
Weight (oz/yd <sup>2</sup> )	11.8	15.1
Air permeability (cfm)	Min 32 Max 36	Min 4.16 Max 5.1
Thickness (mil)	Min 78 Max 85	Min 78 Max 84
Mullen burst (psi)	500+	500+
Tensile (MD lbf) average	196	327
Tensile (CD lbf) average	305	298
Elongation @ 11.24 lbf (%)	1.7	1.5
Heat stability (% shrinkage at 450 F)	1.0	1.0

VDI test data (ASTM D6830-02)		
Total of Abs (mg)	0.6	0.8
Total efficiency %	99.997	99.996
Total emissions %	0.003	0.004
Clean gas concentration mg/m <sup>3</sup>	0.05	0.07

The property values listed in this specification are determined through statistical sampling from production campaigns and are subject to industry-wide tolerances. Typically test protocols requires averaging at least ten representative measurements to produce a reported value and the company reserves the right to make amendments without notice.

Contact the Micronics Engineered Filtration Group to learn more about our full range of Baghouse Solutions for Cement Plants including our Baghouse Maintenance and Repair Services and In-House Laboratory Testing. We've got you covered with the toughest environmental challenges.