

AFT® H PPS Filter Bags

Micronics' filter bags can help 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, utilities/power plants, waste-to-energy plants, cement kilns, and other demanding industrial facilities have needed to reconsider filter media options and baghouse practices. For many years, it seemed that innovation started and stopped with membrane laminates.

Many plants were looking for a filter bag option that could meet tough conditions without the membrane lamination. Our AFT® H PPS Filter Bags are a leading hybrid felt solution for a variety of baghouses with performance at membrane filtration efficiency. Besides achieving better filtration results, our AFT® H hybrid felts help to achieve increased bag life.

The main benefits of our hybrid PPS Felt – AFT® H - include:

- Increased efficiencies
- Lower differential pressure (DP)
- Increased durability
- Longer filter bag life
- Lower operational costs



Contact the Micronics Engineered Filtration Group to learn more about our full range of Baghouse Filtration Solutions for Utilities/Power plants, Waste-to-Energy plants, Cement Kilns, Biomass plants, and Industrial Boilers. We provide the industry's best Baghouse Maintenance and Repairs services! We've got you covered with options for the toughest environmental challenges.

AFT[®] H PPS Filter Bags

Industries Served:

- Utilities/Power
- Waste-to-Energy
- Cement Kilns
- Biomass
- Other Industrial Baghouses

AFT[®] H PPS vs. PPS with ePTFE membrane filter bags

	14 oz AFT H PPS	16 oz PPS ePTFE membrane
Support	Fiber	Fiber
Weight (oz/yd ²)	14	15.1
Air permeability (cfm)	Min 20 Max 35	Min 4 Max 8
Thickness (mil)	Min 55 Max 70	Min 78 Max 84
Mullen burst (psi)	450	450
Tensile (MD lbf) average	180	175
Tensile (CD lbf) average	310	290
Elongation @ 11.24 lbf (%)	1	0.8
Heat stability (% shrinkage at 450 F)	1.0	1.0

VDI test data (ASTM D6830-02)

Total of Abs (mg)	0.3	0.4
Total efficiency %	99.998	99.998
Total emissions %	0.002	0.002
Clean gas concentration mg/m ³	0.03	0.04

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.