

**Delta-Aire™ Filtration Media**

**AFS-3**

**Applications:**

AFS-3 Filter Media is designed to be fabricated into either Pocket or Pleated type HVAC finished filter devices. Unbacked media must have a customer applied backing applied before being acceptable for such filter applications.

**Roll Specifications:**

Roll Widths (m): maximum - 1.83  
 Roll Length (lin. m): Standard 152.4.  
 (Check for custom lengths)  
 Roll Cores - Chipboard: 50.8mm ID

**Variations:**

B2 media is fiberglass backed with 0.5 osy polyester.

B1 media is fiberglass backed with a woven fiberglass mat.

Unbacked is fiberglass blanket only.

**Average Physical Properties<sup>(1) (6)</sup>**

| PRODUCT                                                  | AFS-3 UNBACKED | AFS-3 B1 | AFS-3 B2 |
|----------------------------------------------------------|----------------|----------|----------|
| Media Color                                              | Yellow         | Yellow   | Yellow   |
| Thickness (mm)                                           | 6.4            | 6.4      | 6.4      |
| Composite Weight (g/m <sup>2</sup> )                     | 64.6           | 135.6    | 73.2     |
| Pressure Drop (Pa) <sup>(2)</sup>                        | 69.7           | 69.7     | 69.7     |
| Initial Flat Sheet Particle Efficiency(%) <sup>(3)</sup> | 73             | 73       | 73       |
| Average Atmospheric Efficiency (%) <sup>(4)</sup>        | 90-95          | 90-95    | 90-95    |
| Flammability (UL-Classification) <sup>(5)</sup>          | 1              | 1        | 2        |

**Notes:**

- (1) Values shown in chart are typical, nominal physical properties.
- (2) Nominal pressure drop is measured at an air velocity of 25 ft./min. (0.13 m/sec) through a 2 ft x 2 ft (0.61 m x 0.61 m) flat sheet.
- (3) Efficiency is measured at an air velocity of 25 ft./min. (0.13 m/sec) through a 2 ft x 2 ft (0.61 m x 0.61 m) flat sheet in the 0.3 - 0.5 micron particle size range.
- (4) Applicable to finished air cleaning devices. Results are dependent on filter design and construction. Based on the ASHRAE-52.1 test method.
- (5) Filter media, by itself, is not rated by UL. Classifications shown are potential ratings when media is made into a completed air cleaning device designed to meet those classifications in the UL-900 "Standard for Air Filter Units."
- (6) Johns Manville recommends using filtration media products within six months of the production date.