

Poly Shield XI Media

High Efficiency Filtration Media
With Exclusive **VE₃** Technology



Poly Shield XI Media MERV 11

- 1" Thickness
- Bulk Media Up To 92" Wide
- Pre-Cut Pads
- Panels and Links

- Dustlok binder system with Spor-Ax + VE₃ inactivates microbial growth on the filter media.
- Controlling mold, mildew, algae, and fungi on the filter media results in a slower rise in differential pressure, better airflow, and happier air handling equipment.
- The unique encapsulating capability of Dustlok Composite Adhesive continues to enhance performance throughout the service life of the filter.
- Choose Poly Shield XI to stop overspending on energy, and filter replacement labor. Choose Poly Shield XI for less landfill waste and reduced disposal fees.
- The Dustlok binder system with Spor-Ax + VE₃ provides superior dust cake retention for cleaner, safer filter replacement.



Poly Shield XI Media

Featuring The Original
Dustlok[®] Composite Adhesive
With Spor-Ax[®] + VE₃
Technology

Provides Superior Protection

•MERV 11 performance when tested in accordance with ASHRAE 52.2-2012

•Independent testing of **VE₃** Technology has shown >99.99% inactivation of SARS-CoV2 particles and >99.9995% inactivation of influenza A particles on filter media

Spor-Ax Antimicrobial

Spor-Ax antimicrobial is integral to the Dustlok binder system of Poly Shield XI media, not a costly, less effective post-production application. The inactivation of microbial growth on the media preserves low resistance and extends filter service life.

Poly Shield XI Media Technical Data



Poly Shield XI Media 1”

Filter Media: Polyester
Initial Resistance: 0.43” w.g. at 492 fpm
Flammability: UL 900 Classified
Performance: MERV 11 in accordance with ASHRAE 52.2-2012
Recommended Final Resistance: 1.0” w.g.
Maximum Operating Temperature: 200° F

Media Specifications

Media shall be a distinct dual-density design comprised of polyester fibers and Dustlok with Spor-Ax binder system throughout.

The less dense air entry side shall be white in color.

The higher density air leaving side shall be purple in color and contain non-migratory, non-drying, Dustlok adhesive.

Dustlok with Spor-Ax system effectively controls microbial growth on the filter media.

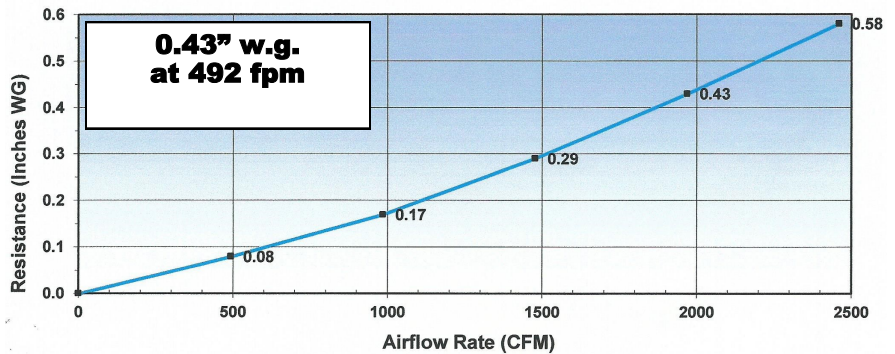
Shall be MERV 11 as tested by ASHRAE Standard 52.2-2012

Independent test results in accordance With ASHRAE Standard 52.2-2012

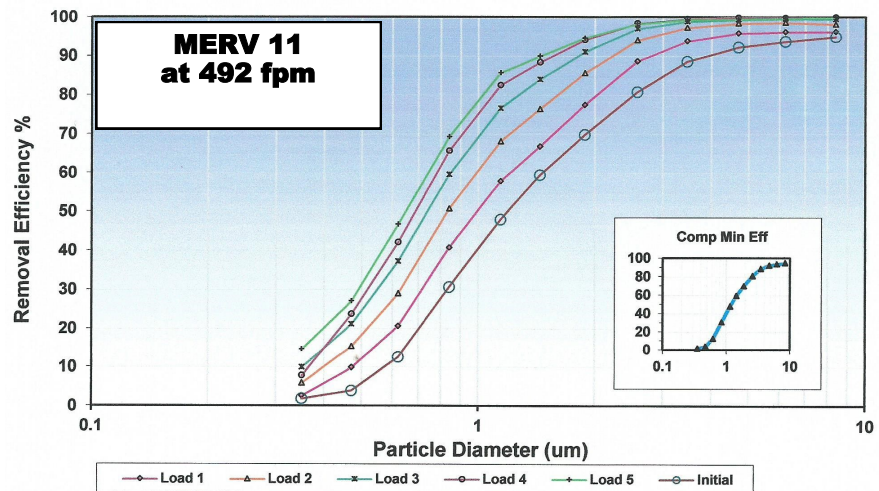
Fiber Bond has a policy of continuous improvement and reserves the right to alter design and specifications without notice.

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Air Flow vs Resistance Clean Device



Particle Size Removal Efficiency



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