

## Diffusion Media

**MERV 11\***

viledon migration test (S0)



Progressive media density enhances particle collection efficiency and life of filter



viledon's proprietary scrim eliminates fiber migration to ensure a mirror-smooth finish



VP5 Panels available in all standard sizes



**viledon** PA/5micron is a progressively structured diffusion media created by viledon to optimize laminar air flow. Manufactured from thermally bonded synthetic fibers, viledon's diffusion media is setting the standard in paint booth filtration world wide. viledon's filtration superiority, known as the **viledon difference**, is highlighted by the following:

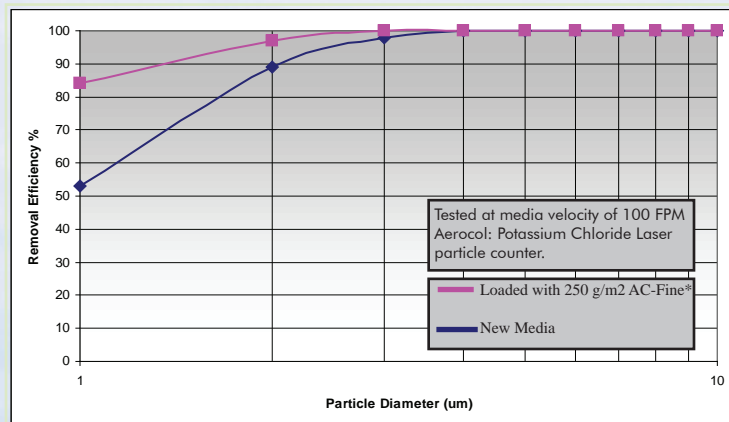
- ▶ PA-5micron is designed for 99.9% efficiency on 5 micron particles and larger, and >99% on 3 micron particles.
- ▶ Various options are available for systems demanding roll stock, cut sheets, pads or self-supporting panels.
- ▶ PA-5micron qualifies for the highest (S0) class in the viledon migration test acknowledged throughout the market. For further information please contact your viledon representative.
- ▶ viledon's development team is continually creating new products to serve emerging markets and meet changing specifications.
- ▶ PA-5micron offers superior final filtration of supply air to paint spray booths where controlled laminar flow is a requirement.
- ▶ PA-5micron is resistant to solvent vapors and contains no silicones.
- ▶ **UL 900 Class 1**
- ▶ PA/5micron has a proprietary tackifier completely encapsulating all fibers eliminating particle migration due to mechanical vibrations associated with paint spray booths. The PA/5 micron achieves maximum protection against migration of paint damaging particles for today's high-gloss finishes.
- ▶ Temperature resistance: Continuous 212°F, peaks at 250°F.
- ▶ PA/5micron has a nominal thickness of 1 inch.

\*Tested @ 100 f.p.m.

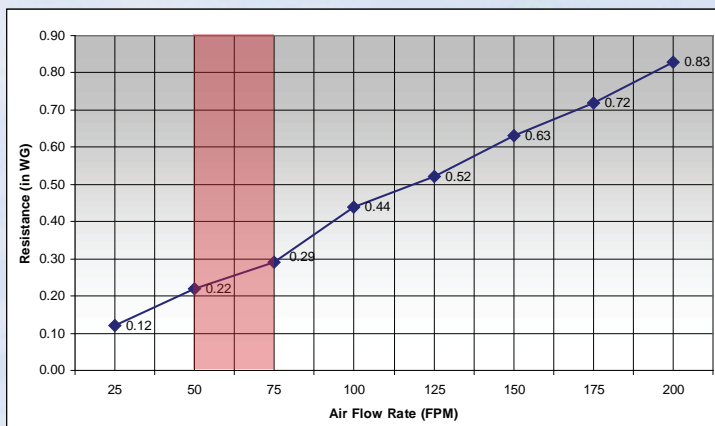
**Freudenberg  
Filtration Technologies**



## Particle Removal Efficiency



## Resistance Curve



Performance	Unit	PA/5micron
Media Velocity Resistance (100 FPM)	"w.g.	.44
Initial Resistance (60 FPM)	"w.g.	.25
<b>Robotic Zone</b> (50/75 FPM)	"w.g.	(.22/.29)
Average Efficiency on Particles >5 micron	%	>99.9
Thickness	in"	1.18
Weight	g/m <sup>2</sup>	625

## PA/5micron Characteristic Chart

Sizes	Unit	Sizes
Bulk Rolls	roll	83"x 65.7' (787")
Cut Pads	ea.	All standard sizes, Special sizes available upon your request.
VP5 Panels & Links	ea.	All standard sizes, Special sizes available upon request.

The figures given are mean values subject to tolerances due to normal production fluctuations. Our explicit written confirmation is always required for the correctness and applicability of the information involved in any particular case.

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