

Assurance™ With SSP™ Air Filtration Media

Assurance™ is a new, nonwoven, mechanical air filtration media that lowers manufacturing costs. The first media to incorporate Self-Supporting Pleat™ (SSP™) technology, Assurance is easier and safer to handle. Made with natural and synthetic fibers, Assurance allows a manufacturer to produce filters with a rigid self-supporting pleat that does not require an expanded-metal structure to support the filter media.

Eliminating metal in the filters saves material costs and production time, and is safer for workers handling the media.

Used to produce MERV 6 to 8 filters, Assurance delivers low pressure drop and consistent mechanical filtration efficiency over the life of the filter. These features enable the production of a more-efficient and higher-value product.

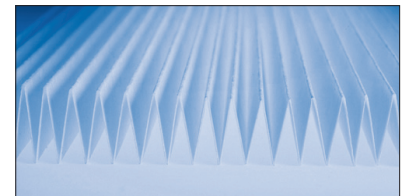
The Benefits of Assurance

- The new multi-fiber, composite, nonwoven media is made with natural and synthetic fibers that result in a stronger, self-supporting pleat. Assurance is offered in customized roll lengths and widths.
- The Self-Supporting Pleat™ (patent pending) technology eliminates the need for sharp, metal support of the media. This advantage also eliminates a manufacturing step and gives manufacturers a significant operational edge in lowering costs.
- Eliminating expanded metal makes product handling safer and reduces liability issues related to workers and consumers.
- By delivering low pressure drop and mechanical filter efficiencies, the filter media provides highly consistent performance throughout the life of the filter.
- Assurance media-enabled filters meet the most stringent testing standards in mechanical air filtration, including the new ASHRAE 52.2 test conditioning step.
- Assurance is offered in customized roll lengths and widths.
- After its use, Assurance filters can be safely incinerated, reducing landfill volumes.

Assurance with SSP also offers longstanding expertise, reliability and outstanding service that Johns Manville provides.

Available Assurance Filtration Products:

- Assurance™ with SSP™ MERV 6
- Assurance™ with SSP™ MERV 7
- Assurance™ with SSP™ MERV 8



Assurance™

Johns Manville
PO Box 5108
Denver, CO 80127-5108
1.800.654.3103
www.jm.com/filtration

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Assurance™ With SSP™ Air Filtration Media

The Assurance™ air filtration media fabrics are multi-fiber, composite nonwovens comprised of synthetic and natural fibers. Each of the three fabrics are ideal for the production of a premium, self-supporting, pleated air filter.

Filter Testing Data

Media Type	MERV 6 (R8560)	MERV 7 (R4060)	MERV 8
Filter Dimensions (Inches)	20 x 20 x 1	20 x 20 x 1	20 x 20 x 1
Number of Filter Pleats	18	24	55
Airflow Rate (cfm)	819	819	819
Nominal Face Velocity (fpm)	295	295	295
Initial Resistance (WG)	0.19	0.16	0.19
Estimated MERV Rating @ 819 cfm	MERV 6	MERV 7	MERV 8

Physical Property Data

Media Type	MERV 6 (R8560)	MERV 7 (R4060)	MERV 8
Basis Weight (oz/yd ²)	1.8	1.8	1.8
Air Permeability (ft ³ /min/ft ²)	500	375	270

NOTES:

The physical and chemical properties of these Johns Manville products represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with your Johns Manville representative to assure current information. Johns Manville standard "Terms and Conditions" and "Limited Warranty" apply.

- 1 Actual length determined by specified roll diameter
- 2 Special dimensions on request
- 3 Three and eight inch cores available on special order

Packaging

Mat Length ^{1,2}	(ft)	11, 500 max
Mat Width ²	(inches)	20 - 150
Roll Diameter	(inches)	60 max
Core Diameter ³	(inches)	6

Rolls of mat are wrapped in plastic film with cardboard top and bottom.

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