

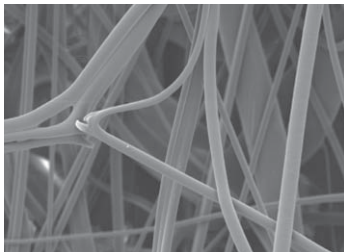
# Filtrete™

## Commercial HVAC Filter MERV A13 Mini-Pleat with Gasket



### Typical Applications

- Hotels and entertainment complexes
- Commercial offices
- Universities/Schools
- Healthcare and Analytical laboratories
- Clean manufacturing facilities



Innovative, open filtration media structure



Integral gaskets prevent air bypass, keeping coils clean



Glue beads maintain pleat spacing integrity

The Filtrete™ Commercial HVAC Filter MERV A13 is a mini-pleat filter, as tested by an independent laboratory in accordance with ASHRAE 52.2-2007 standard. When used on all outside air intakes and inside air recirculation returns, this filter contributes to earning an Indoor Environmental Quality point toward LEED® certification for new and existing buildings, according to the standards established by the U.S. Green Building Council.

Using 3M technology, this filter offers an industry leading combination of high in-use efficiency, low pressure drop and a long filter life — all in a compact filter package. The precise balance of mechanical and electret elements is validated by the rigorous industry filter conditioning standard — ASHRAE 52.2 Appendix J.

Filtrete Commercial HVAC Filter MERV A13 helps provide a cleaner indoor air quality environment through effective particle capture in the important EPA monitored PM2.5 size range. This allows effective removal of dust, lint, pollens, spores and many other common particulate contaminants.

### Key Benefits

Using innovative 3M technology, the Filtrete Commercial HVAC Filter MERV A13 is built around the HVAC system needs of our customers with LEED certification and compliance in mind. Some of the key benefits our customers can enjoy when using Filtrete Commercial HVAC Filter MERV A13 are:

- Using the filter on all outside air intakes and inside air recirculation returns contributes to earning a point in the LEED certification process for new and existing buildings
- Simple upgrade of in-place filters to meet the requirements for this LEED point, without additional capital expenditures
- Potential reduction in electrical energy consumption due to the low pressure drop of the Filtrete Commercial HVAC filter resulting from the innovative, open filtration media structure, precision pleat structure and a high surface area mini-pleat design
- Longer filter life than many comparable competitive products due to the unique combination of depth loading filtration media, precision pleat structure and high filter media area
- Robust filtration in the most extreme commercial office building HVAC environments due to the durable, moisture and humidity resistant, 100% synthetic filtration media, 100% metal free filter design and engineered frame construction
- Meets UL 900 Class 1 flammability rating (U.S.), UL 900 Class 2 flammability rating (Canada)

### Performance Data

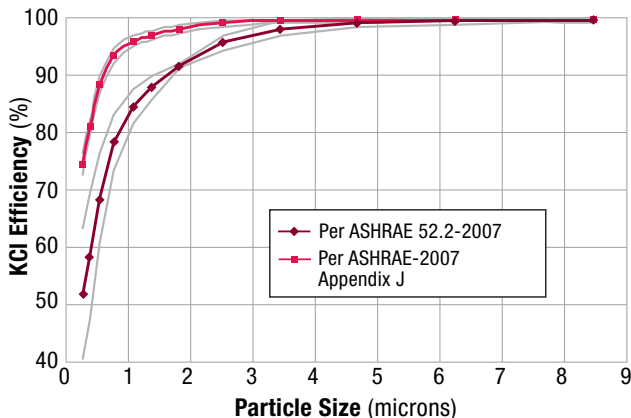
Air Velocity for ASHRAE Testing	492 fpm (1968 cfm for 24" x 24" filter)
Initial Resistance	0.39" of water
Recommended Final Resistance	1.4" of water
Efficiency Rating per ASHRAE 52.2-2007	MERV 14
Efficiency Rating per ASHRAE-2007 Appendix J	MERV A13
Dust Holding Capacity at 1.4" of Water	95 ± 7 g



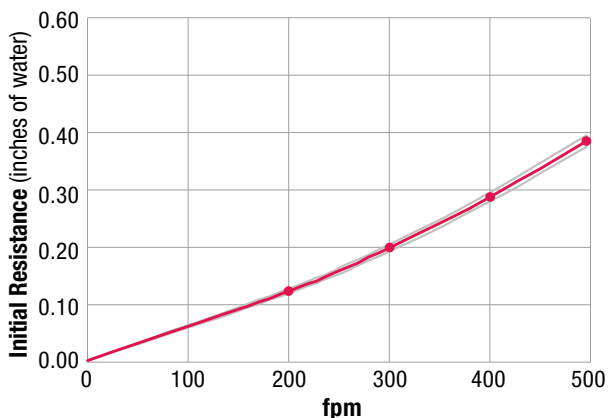
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## Physical Characteristics

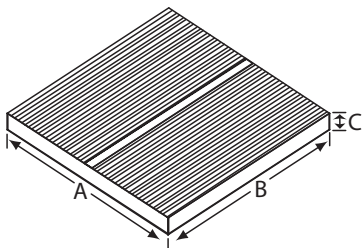
Minimum Filter Efficiency vs. Particle Size at 492 fpm (2.5 m/s) per ASHRAE



Initial Resistance vs. Air Velocity 24" x 24" (0.6 m x 0.6 m) Filter



## Filter Measurements



Product No.	3M ID Number	Nominal Dimensions Width "A" x "B" x "C" Inches (mm)	Width "A" Inches (mm)	Height "B" Inches (mm)	Depth "C" Inches (mm)
E675	70-0714-7119-0	10 x 10 x 2 (254 x 254 x 51)	9 3/8 (238)	9 3/8 (238)	1 7/8 (48)
E676	70-0714-7120-8	10 x 20 x 2 (254 x 508 x 51)	9 3/8 (238)	19 3/8 (492)	1 7/8 (48)
E677	70-0714-7121-6	12 x 20 x 2 (305 x 508 x 51)	11 3/8 (289)	19 3/8 (492)	1 7/8 (48)
E678	70-0714-7122-4	12 x 24 x 2 (305 x 610 x 51)	11 3/8 (289)	23 3/8 (594)	1 7/8 (48)
E679	70-0714-7123-2	14 x 20 x 2 (356 x 508 x 51)	13 3/8 (340)	19 3/8 (492)	1 7/8 (48)
E680	70-0714-7124-0	14 x 25 x 2 (356 x 635 x 51)	13 3/8 (340)	24 3/8 (619)	1 7/8 (48)
E681	70-0714-7125-7	15 x 20 x 2 (381 x 508 x 51)	14 3/8 (365)	19 3/8 (492)	1 7/8 (48)
E682	70-0714-7126-5	16 x 16 x 2 (406 x 406 x 51)	15 3/8 (391)	15 3/8 (391)	1 7/8 (48)
E683	70-0714-7127-3	16 x 20 x 2 (406 x 508 x 51)	15 3/8 (391)	19 3/8 (492)	1 7/8 (48)
E684	70-0714-7128-1	16 x 24 x 2 (406 x 610 x 51)	15 3/8 (391)	23 3/8 (594)	1 7/8 (48)
E685	70-0714-7129-9	16 x 25 x 2 (406 x 635 x 51)	15 3/8 (391)	24 3/8 (619)	1 7/8 (48)
E686	70-0714-7130-7	18 x 20 x 2 (457 x 508 x 51)	17 3/8 (441)	19 3/8 (492)	1 7/8 (48)
E687	70-0714-7131-5	18 x 24 x 2 (457 x 610 x 51)	17 3/8 (441)	23 3/8 (594)	1 7/8 (48)
E688	70-0714-7132-3	18 x 25 x 2 (457 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E689	70-0714-7133-1	20 x 20 x 2 (508 x 508 x 51)	19 3/8 (492)	19 3/8 (492)	1 7/8 (48)
E690	70-0714-7134-9	20 x 24 x 2 (508 x 610 x 51)	19 3/8 (492)	23 3/8 (594)	1 7/8 (48)
E691	70-0714-7135-6	20 x 25 x 2 (508 x 635 x 51)	19 3/8 (492)	24 3/8 (619)	1 7/8 (48)
E694	70-0714-7138-0	20 x 30 x 2 (508 x 762 x 51)	19 3/8 (492)	29 3/8 (746)	1 7/8 (48)
E692	70-0714-7136-4	24 x 24 x 2 (610 x 610 x 51)	23 3/8 (594)	23 3/8 (594)	1 7/8 (48)
E693	70-0714-7137-2	25 x 25 x 2 (635 x 635 x 51)	24 3/8 (619)	24 3/8 (619)	1 7/8 (48)

## Additional Information

For questions or to place an order in the U.S., contact your local 3M Purification Inc. distributor or 3M Purification Inc. Customer Service at (800) 648-3550 or (651) 789-7381

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