



## Filtered Fan Packages

### Accessories: Filter Media

#### Thermal Edge Filtered Fan Package ELECTROSTATIC POLYPROPYLENE FILTER MEDIA

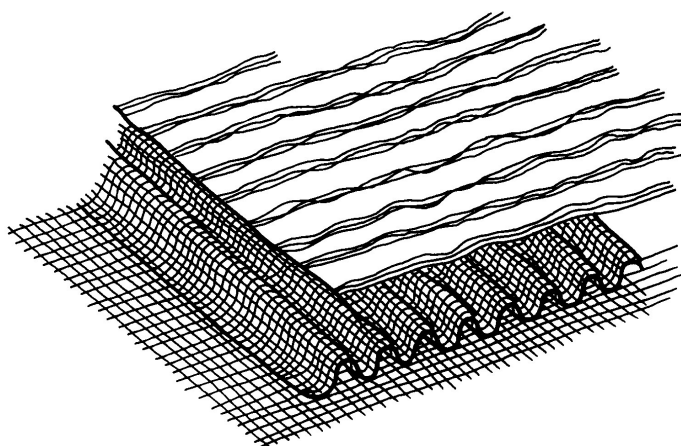
Our unique 1/4" corrugated polypropylene filtration media features an electrostatic charge that assists in filtering dirt, dust and other irritating pollutants from the air. This industrial filter media is a dense, 3 layer, waffle weave configuration, which enhances the filtration abilities and creates a rigid and durable electrostatic air filter.

Additionally, the Thermal Edge air filtration media can be rinsed or vacuum cleaned, and will not degrade over time as foam does.

ACTUAL MATERIAL



DISPLAYING MULTILAYERED MATERIAL



Media	PermaCool Polypropylene
Weave type	3 - D waffle corrugated
U.L. classification	Class 2
Yarn diameter	10 mil
Yarn count (warp/fill)	65/74
Media thickness	.25"
Media weight	10.1 oz per square yard
Temperature rating	Operating 180° F, Melting 325°F
Initial resistance	0.04 inches w.g.
Average arrestance efficiency	63%
Dust holding capacity	100 Grams



## RECOMMENDED PROCEDURE FILTER MAINTENANCE AIR CONDITIONERS AND FILTER FANS

All media types must be periodically inspected and either cleaned or replaced depending on your environment so they maintain cooling and ventilation performance.

### **Cleaning**

Shake loose particles from the filter while holding the dirty side down. Most effective cleaning is by gently back-washing the filter with a stream of clean water in the opposite direction of air flow.

For filtered fans always re-assemble with a dry filter.

### **Avoid using chemical solvents or harsh detergents.**

#### *Notes:*

Various media are available for our air conditioners and filtered fans. Materials are limited to stock.

Each filter media type has its benefits and limitations in:

- Particle separation,
- Bulk loading
- Pressure drop characteristics

Media may be either;

- Corrugated aluminum
- Aluminum mesh pad
- Polypropylene corrugated woven pad
- Polyurethane foam, 20 to 30 ppi
- Nylon mat (*this material will typically be replaced often while it filters best and carries less bulk loading*)

2" pleated filter media options for air conditioning ONLY are (*each option may be limited by model or by stock availability*)

- Polypropylene corrugated woven pad
- Stainless steel screen

Framed filter's structural frames use:

- Aluminum extrusion or sheet
- Reinforcing material is expanded aluminum
- Rivets are aluminum