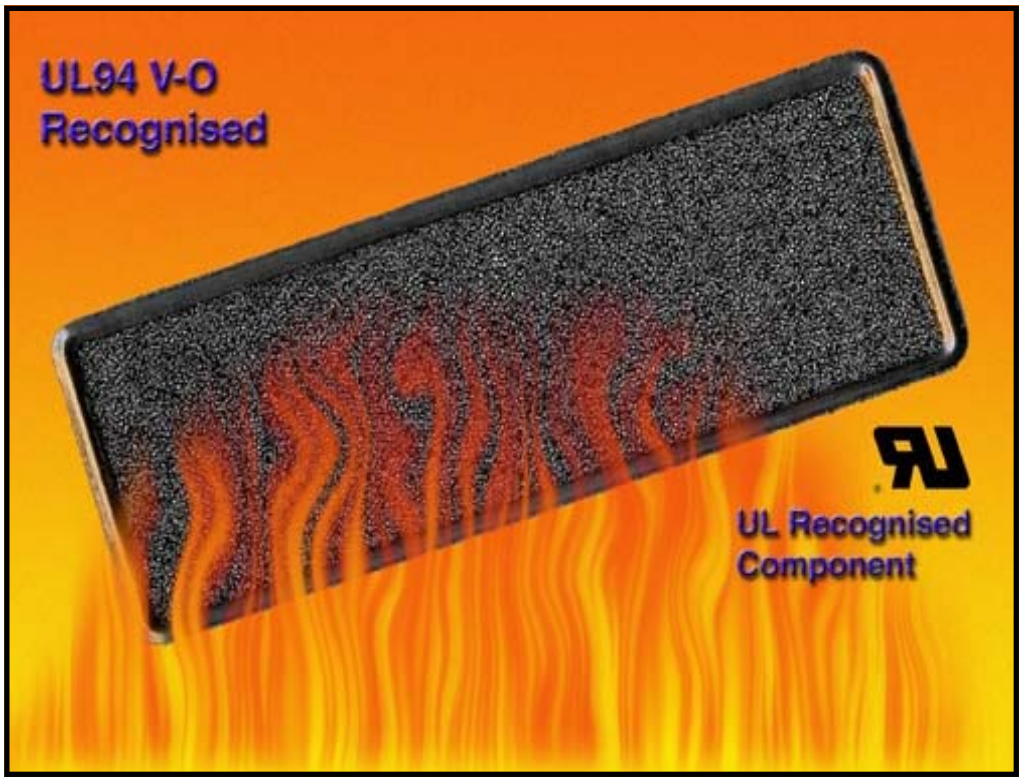
UL94 V-0 RECOGNISED AIR FILTERS

Polyurethane Foam Air Filters for applications requiring components that conform to UL94 V-0 Flame Retardancy Test.

Applications Include:

- Telecom Equipment
- Electronic Enclosures
- Computer Systems
- Fan Cooled Cases
- Digital Screens
- Air Conditioning Units
- Ventilation Systems
- Products for export to the USA



The unique construction of this filter, with strong corrosion resistant wire frame thermoplastically encased and heat bonded to flame retardant media, provides the flexibility to produce the filter in virtually any required size or shape. The post treated, polyurethane, open cell foam media is available in a variety of porosities and thicknesses, all displaying excellent dust holding capabilities when compared to equivalent metal mesh or disposable filters.

Lightweight, durable and cleanable, the filter is a UL94 V-0 Recognised Component having undergone testing by UL Laboratories, bringing many advantages where an end product may need to comply with UL requirements.

The filter can be produced with small identification tabs, pull loops or wire handles to aid filter removal. For added rigidity on large filters, support wires (vertical or horizontal) may be used to support the filter media within the outer framework.

- Virtually any size and shape
- Lightweight, Durable
- Slimline Rigid Frame
- Vacuum Cleanable
- Corrosion Resistant
- Various Media Densities
- Fastrack Delivery Available

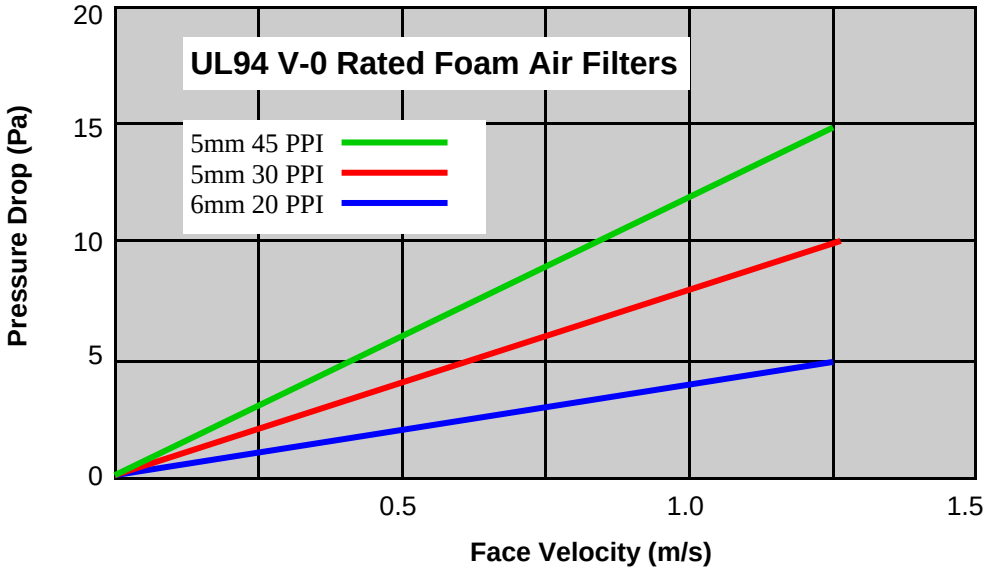
UL RECOGNISED COMPONENT

Media Specification	6 mm 20 PPI	5 mm 30 PPI	5 mm 45 PPI
Frame	3 mm Diameter Coated Wire		
Efficiency @ 1 m/sec	Typically 65% Arrestance (EU2)		
UL94 V-0 Flammability	All Pass Test		
Media Description	All Post Treated Polyurethane Open Cell Foam		
Media Colour	All Black		

Many other media thicknesses and porosities are available to suit individual customer requirements.

Please contact the Emcel Technical Sales Team for details

UL94 V-0 Recognised Polyurethane Foam Air Filter test results are based on airflow tests conducted by Emcel Filters Ltd using three typical examples of filter media



As the filter becomes laden with dust the initial pressure loss will increase. The final recommended resistance is reached when the initial pressure drop has increased by 65 Pascals. The arrestance efficiency of 65% EU2 is based on the filters ability to hold synthetic dust by weight, the test dust particle size ranges from 0-80 microns. The filter efficiency will peak at 1 m/sec, with a reduction likely to be seen when operated above this.

When loaded with dust the filter will require replacing or maintaining. Once removed, the filter can be easily cleaned by vacuuming or blown through with compressed air. Washing of this filter may alter the fire retardant properties and is therefore not recommended. The filter may also be used as a pre-filter to protect and to prolong the life of any fine or HEPA filter from coarse particle invasion.

This EMCEL product is a UL94 V-0 Recognised Component. Full details can be found under Product Category: Insulating Devices & Materials Miscellaneous Component. UL File Number E329844

Other Emcel products include:

- **Activated Carbon Units**
- **Odour Control Filters**
- **Particle Filters**
- **HEPA Filters**
- **Washable/Cleanable Panels**
- **Special Filters**

ISO 9001

Certificate No. FM 24138

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