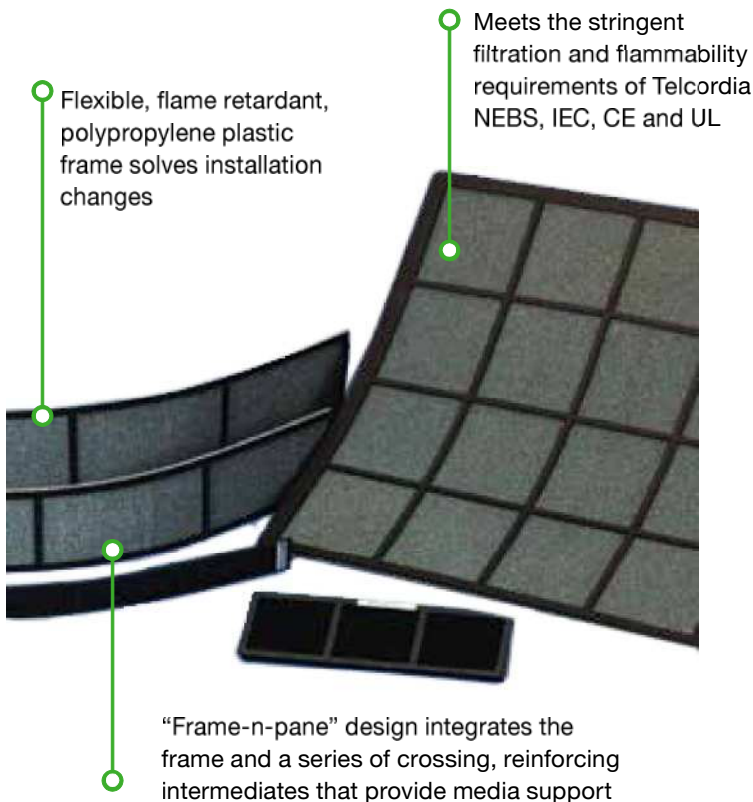# FLEX-FRAME FILTER

Flexible Non-Conductive Filtration

Electronics enclosure designers are challenged by ever-shrinking footprints that force them to be creative in their thermal management solutions. Flex-Frame filters are ideal for use in air filter applications that require the filter to "snake" around jutting components or conform to a radius-type bezel. The Flex-Frame is designed for electronics equipment that cannot accept a rigid air filter frame because of internal chassis obstructions or the necessity to follow a curved track.

Performs three distinct functions:

1. Addresses installation obstructions with flexible, non-conductive UL 94 V0 filter frame

2. Laser cut to specification allowing virtually any frame profile to meet the needs of the most unique and challenging applications

3. Meets filtration and flammability requirements of Telcordia NEBS, IEC, CE and UL

SPECS:

Flex-Frame filters are rated UL 94 V0 and available in either black or white color frames. The Flex-Frame air filter utilizes Quadrafoam™ filter media rated UL 94 HF-1 in various pore sizes (20 through 45 PPI Green and 10 through 80 PPI Gray or Black) and various thicknesses (.13 to 1.00 inches). Frame thicknesses range from .03 to .125 inches. A solvent-resistant, two-part epoxy bonding material is used to securely unite frame and filter media making them inseparable.

Meets the stringent filtration and flammability requirements of Telcordia NEBS, IEC, CE and UL

Flexible, flame retardant, polypropylene plastic frame solves installation changes

"Frame-n-pane" design integrates the frame and a series of crossing, reinforcing intermediates that provide media support

FAST FACT:
Custom sizes available up 24" in width and 48" in length.

The Universal Flex-Frame Air Filter Features:

- Flexible, flame retardant, polypropylene plastic frames

- High dust arrestance, low pressure drop, flame retardant filter media for maximum air flow and dust holding

- Laser cut frame allows contour shapes, slots, and holes for unique fit and accommodating LEDs and light pipes

Applications:

Dual Honeycomb air filters are designed for electronics, telecom or datacom equipment where EMI/RFI interference could result in equipment malfunction. Filters are designed to be cleanable and reusable as needed. Dual Honeycomb air filters are custom designed for each application.

Frame:

Black or white polypropylene is rated UL 94 V0. Frames are manufactured using an innovative "frame-n-pane" design that integrates the frame and a series of crossing, reinforcing intermediates that provide media support. Pane sizes and frame thickness are customized to the equipment's needs.

Media:

Cleanable black, gray or green Quadrafoam™ is specified for Flex-frame air filters. Quadrafoam™ is an open cell polyurethane foam specially processed to meet UL 94 HF-1. It features deep loading, large dust holding capacity and low air resistance.

Standards & Classifications:

UL 900, UL 94 HF-1, Telcordia NEBS GR-63-CORE, IEC, CE and RoHS

Model	Quadrafoam™ Media Thickness	Frame Thickness
FL-62-XX13	3,17mm [0.125"]	1,58mm [0.062"]
FL-94-XX13	3,17mm [0.125"]	2,39mm [0.094"]
FL-125-XX13	3,17mm [0.125"]	3,17mm [0.125"]
FL-62-XX25	6,35mm [0.25"]	1,58mm [0.062"]
FL-94-XX25	6,35mm [0.25"]	2,39mm [0.094"]
FL-125-XX25	6,35mm [0.25"]	3,17mm [0.125"]
FL-62-XX50	12,70mm [0.50"]	1,58mm [0.062"]
FL-94-XX50	12,70mm [0.50"]	2,39mm [0.094"]
FL-125-XX50	12,70mm [0.50"]	3,17mm [0.125"]