



**Koch Filter Corporation**  
Filtration Products Crafted with Pride

## ICF-12FR *High Efficiency Cellulose/ Synthetic Premium Filter Media*

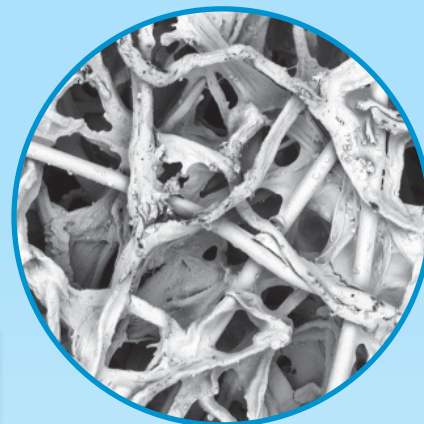
ICF-12FR is a blended Cellulose/Synthetic premium filter media with a latex resin system. High moisture resistance, excellent capacity and cake release characteristics with fire retardant treatment.

Basis Weight	84lbs/3000 ft <sup>2</sup>
Caliper	27 mils @ 2.7 psi
Air Permeability	15 cfm/ft <sup>2</sup> @ 0.5 wc
Resin Content	30 %
Mullen Burst Dry	50 psi
Mullen Burst Wet	40 psi
Resin System	Latex

### Test Results

Airflow Rate (CFM)	500
Initial Resistance (in WG)	0.58
E1 (%) Initial Efficiency 0.30 - 1.0 µm	30
E2 (%) Initial Efficiency 1.0 - 3.0 µm	69
E3 (%) Initial Efficiency 3.0 - 10.0 µm	97
MERV*	MERV 11

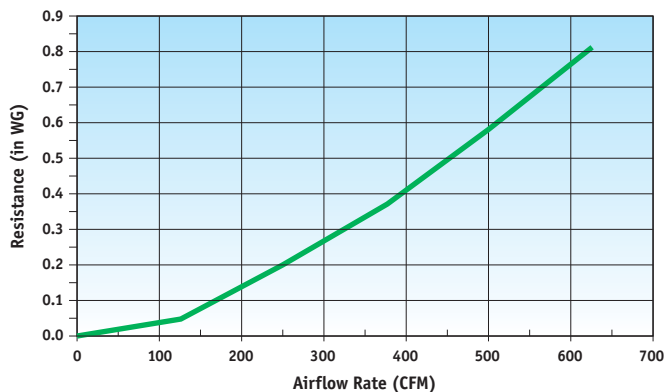
\* Minimum Efficiency Reporting Value based on ASHRAE Test Standard 52.2-2007.



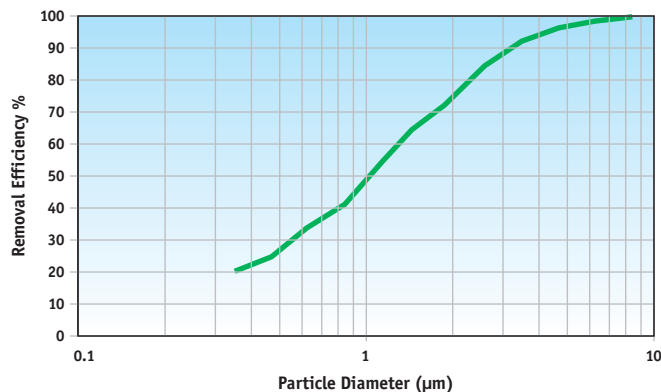
### Typical Applications

- Battery Recycling
- Dry Chemical Processing
- Laser Cutting
- Metal Grinding
- Mining
- Welding

**Air Flow vs Resistance  
Clean Device**



**Initial Particle Size Removal Efficiency**



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Look for the Koch Green icon! Whenever you see the Koch Green icon, we are identifying a product that meets or exceeds our criteria in one or more of the following categories: Earns LEED Points, Reduces Energy Costs, Extends Filter Lifecycles, Conserves Resources, and Improves Indoor Environmental Quality.