

## **Synthetic Air Filter Media** **ISO 16890 Coarse 45% to ePM10 50%** **Grades G3 to M5 to EN779**

### **Applications**

Synthetic Air Filter Medias are available in a range of thicknesses and filtration grades (EN779 / ISO 16890) making them suitable for a wide range of applications in HVAC systems, AHUs, Spray Booths, standalone ventilation units such as air purifiers and electronics cabinets.

Synthetic Air Filter Media is suitable for the filtration of Coarse Dust and fine particulates and can offer a high dust holding capacity by taking advantage of the full depths of the fibrous polyester material.

Bulk Rolls of air filter media are often cut to size to offer pads for specific applications, or a pad holding frame system used with an air handling unit, or ventilation system.

Where pads need to be small (Approx. 200mm Square and smaller) a die cutting service allows medias to be cut with a high level of accuracy and also enables medias to be cut with unique shapes such as circles, curves and cut outs.

### **Description**

Synthetic Air Filter Media is manufactured from polyester synthetic fibres which are thermally bonded to produce a range of multi-directional fibrous "fabrics" of differing weights and thicknesses.

Synthetic Air Filter Medias are generally considered disposable, but in some applications are able to withstand a light cleaning operation.

Synthetic Air Filter Medias are supplied as Cut Pads or Full Bulk Rolls, depending on your application or site requirements. Thinner materials can easily be cut to size on site by the client using suitable fabric cutting tools.

### **Technical**

Air Filter Grades Available to EN779: G2, G3, G4, M5

Air Filter Grades Available to ISO 16890 – Coarse 40% to ISO ePM10 50%

Flame Retardant to DIN53438-3 classes F1

Max Operating Temperature : 80 Degrees Centigrade

Max Humidity : 100% RH



Synthetic Media Type	Weight Per Unit (g/m <sup>2</sup> ) (approx.)	Velocity (m/s)	Clean Pressure Drop
		m/s	Pa
A70	70	1.5	20
A15/150	150	1.5	25
A1B	300	1.5	47
A290	290	1.5	45
A15/350	350	1.5	75
A2B	450	1.5	50
A15/500	500	0.5	70
A560G	560	0.5	70

## SYNTHETIC AIR FILTER MEDIAS

Synthetic Media Type	Grade		Sheet / Roll Dimensions		Roll	Cut Pad Sq m
	EN779	ISO 16890	Roll Size	Thickness	Part No.	Part No.
Synthetic Media A70	G2/3	Coarse 40%	2x20m	6mm	1720170	1720171
Synthetic Media A15/150	G3	Coarse 45%	2x20m	6-9mm	1720150	1720151
			1x20m	6-9mm	1720152	1720151
Synthetic Media A1B	G4	Coarse 65%	2x20m	20-25mm	1720101	1720102
			1x20m	20-25mm	1720103	1720102
Synthetic Media A290	G4	Coarse 65%	2x20m	20mm	1720290	1720291
Synthetic Media A15/350	G4	Coarse 65%	2x20m	15-20mm	1720350	1720351
Synthetic Media A2B	G4	Coarse 70%	2x10m	50mm	1720201	1720202
Synthetic Media A15/500 +	M5	ISO ePM10 50%	2x20m	16mm	1720500	1720501
Synthetic Media A560G++	M5	ISO ePM10 50%	1x20m	15-20mm	1720560	1720561
Carbon Impregnated Media	G2/3	Coarse 40%	0.76x40m	8mm	1720602	1720603
Cooker Hood - Grease Removal A15/150			0.57x2m	6mm	1725101	NA
Cooker Hood – Grease/Odour removal IPCM			0.57x2m	3mm	1725102	NA
Cooker Hood - Washable Media Poly U			0.57x2m	6mm	1725103	NA

+ - Spray Booth Supply Filter – No Scrim

++ - Spray Booth Ceiling Supply Filter with Scrim

### **Holding Frames - Pad Holding Frames**

The Pad Holding Frame system offers a means of securing a filter media pad securely into a ventilation or air movement system. This re-useable fully galvanized steel frame can offer a cheaper option for filter replacement over typical cardboard framed panel filters. For further details please see data sheet Section 1 (AC1.4)



### **Spray Booth Filters**

Synthetic Air Filter Medias for use in Spray Booths are detailed specifically in our product range. Spray Booth Filters include Ceiling Intake Filters, Secondary Air Filter Medias, and Paint Arrestor / Dry Glass Fibre Materials. For further details please see data sheets Section 7 (AC7.4, AC7.5, AC7.7, AC7.8)

