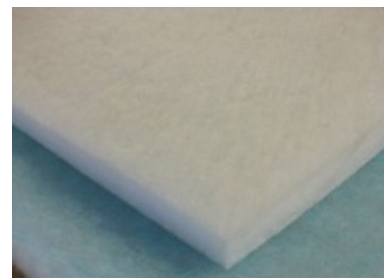


Synthetic Air Filter Media **ISO 16890 Coarse 45% to ePM10 50%** **Grades G3 to M5 to EN779**

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 ²) (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% | 2x40m | 6mm | 1720170 | 1720171 |
| Synthetic Media A15/150 | G3 | Coarse 45% | 2x20m | 6-9mm | 1720150 | 1720151 |
| Synthetic Media A1B | G4 | Coarse 65% | 2x20m | 25mm | 1720101 | 1720102 |
| Synthetic Media A290 | G4 | Coarse 65% | 2x20m | 20mm | 1720290 | 1720291 |
| Synthetic Media A15/350 | G4 | Coarse 65% | 2x20m | 15mm | 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 | 21mm | 1720560 | 1720561 |
| Carbon Impregnated Media | G2/3 | Coarse 40% | 2x20m | 3mm | 1720600 | 1720601 |
| 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)

