

# Product Specification

## Airguard® Permalast® Synthetic Filter Media

### 1.0 Scope

This specification covers synthetic media that is a component of heating, ventilating, and air conditioning systems.

### 2.0 Construction

#### 2.1 Media

The media shall consist of blue polyester fiber.

#### 2.2 Compression Strength

The media shall be formulated with a polyvinyl acetate binder to provide high compression strength and rigidity. The media shall maintain its full thickness in the air stream as the dirt load increases.

#### 2.2 Washable/Cleanable

The media shall be able to be cleaned and re-used either by vacuum or by rinsing with water.

#### 2.3 Product Availability

The media shall be available in pre-cut pads and rolls.

### 3.0 Performance

The media shall meet the following minimum performance requirements based on ASHRAE Standard 52.2-2017. Performance shall be representative of all sizes offered.

Nominal Size	24 x 24 x 1
Basis Weight	45 g/ft <sup>2</sup> +/- 7.5%
Rated Face Velocity (FPM)	295
Initial Resistance	0.06" W.G.
Final Resistance	1.00" W.G.
Average Arrestance	65-70%



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## 4.0 Underwriters Laboratories Classification

The filters shall be classified per UL Standard 900 for flammability.

