

Paint Booth Ceiling Filter Media

WS-ZR600G

Product Features

The WS-ZR600G is a flame-retardant filter that can withstand temperatures up to 120°C. It has a fire-resistant outer layer and is thermally bonded to create a progressive density that improves overspray filtration. The multiple layers of the filter maintain a high dust holding capacity while ensuring low pressure drop.

1. Used in air intake systems for spray processes and coating workshops where air purification requires exceptionally stringent standards.
2. Made of 100% polyester fibers.
3. Standard sizes W x L x T(mm):1.6m x 21m x 20mm, 2m x 20m x 15m, Customization Available.
4. Applications: Automotive paint booths, Aerospace paint booths, General industry paint booths.



Technical Index

Filtration Grade:M5; MERV9, MERV10

Filter object: $\geq 1\mu\text{m}$ particles

Moisture resistance: $\leq 100\%$ RH

Instant temperature resistance: $\leq 120^\circ\text{C}$

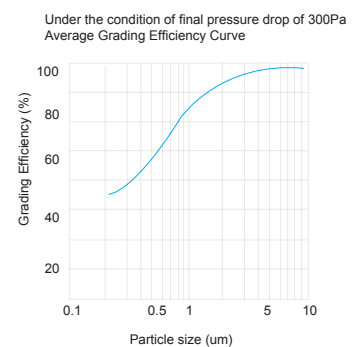
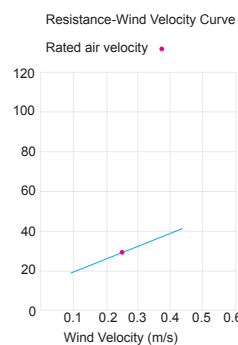
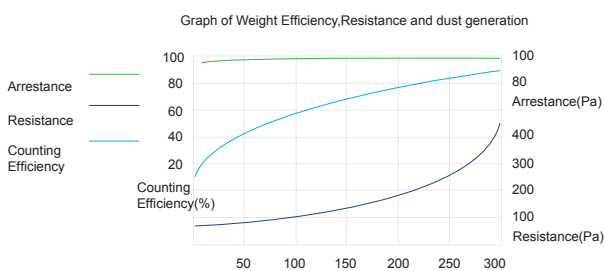
High temperature resistance: $\leq 100^\circ\text{C}$

Flame retardant level: S2 (DIN53438) ,V-0(UL 94 LB)

Material characteristics

1. Manufactured from elastic and fracture-resistant polyester fiber (PET) through a process of carding, gradational density layering, and hot air fusion technology.
2. Each fiber undergoes specialized viscosity treatment** to enhance persistent adhesion of captured particles, meeting stringent quality requirements in coating applications.
3. Reinforced with mesh/fabric on the air outlet side to ensure structural integrity and uniform air distribution.
4. Exhibits corrosion resistance against common solvents, mild acids, and mild alkalis.

Technical Parameter



Filtration Grade	Model	Thickness (mm)	Average Weight Efficiency	Weight(g/m ²)	Rated Air Flow(m ³ /h)	Wind Velocity Test(m/s)	Dust Holding Capacity(g/m ²)	Initial Resistance (Pa)	Final Resistance (Pa)
M5	WS-ZR600G	20±2	93%	600	900	0.25	600	≤ 45	400

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