



GLOBAL
FILTRATION

KEY TO K&N PERFORMANCE

4 LAYER COMPOSITE FILTER MEDIA

K&N's performance stems from its proprietary 4-layer composite media. This advanced design ensures high filtration efficiency, low resistance, and hydrophobic properties, enabling washable filters that maintain peak performance without compromise.

+10 μ m PARTICLES

INITIAL SPUNBOND SUPPORT LAYER

Initial support layer where big, charged particles are screened off.

- Strong tensile strength layer provides superior pleating & support.
- High permeability, but creates initial filtration layer – protecting from large/charged particles.
- Hydrophobic fiber coat has very good washing properties.

2-10 μ m PARTICLES

ELECTROSTATIC PREFILTER PROTECTION LAYER

Blocking layer effective at trapping greater than 2 micron particles. These very fine fibers are densely packed, combing the air, and trapping particle.

- Serves as an upstream blocking layer protecting downstream layers from large particles.

<2 μ m PARTICLES

ELECTROSTATIC FILTRATION FUNCTIONAL LAYER

Larger fibers with medium density channels allow the air to flow with turbulence, trapping particles less than 2 micron.

- High-loft, thicker electrostatic layer provides maximum filtration with high permeability.
- Unique materials in each MERV variation and varying thickness drive filtration efficiency.

SECONDARY SPUNBOND SUPPORT LAYER

Backing support layer working to provide shape & rigidity.