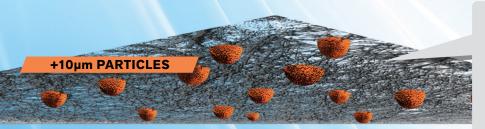


## **KEY TO K&N PERFORMANCE**

# **4 LAYER COMPOSITE FILTER MEDIA**

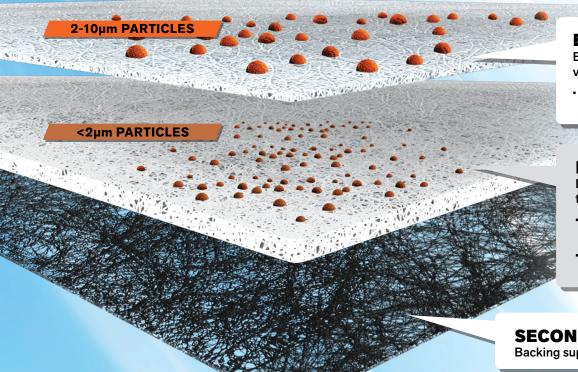
K&N's performance stems from its proprietary 4-layer composite media. This advanced design ensures high filtration efficiency, low resistance, and hydrophobic properties, enabling washable filters that maintain peak performance without compromise.



#### **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.



#### **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.

### **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.