

Poly-Alpha Olefin

PAO - 4

Aerosol oil PAO-4, PAO (Poly-alpha Olefin) is made from ethylene through polymerization to form alpha olefin, and then further through polymerization and hydrogenation. It has good viscosity-temperature performance and low-temperature fluidity. In general, the leak detection of high-efficiency filters usually uses PAO-4 to generate a sufficient concentration of aerosol upstream of the filter, and then uses a photometer to detect the aerosol concentration upstream and downstream of the filter to determine whether the filter is leaking.



Key Features

- Used for HEPA/ULPA filter integrity testing in compliance with ISO and EN standards.
- Consistent Particle Size: Produces fine and uniform particles for highly accurate and reliable testing.
- Safe and Non-Toxic: Non-corrosive and non-toxic, making it suitable for use in sensitive environments.
- Ideal for pharmaceutical manufacturing, electronics, cleanrooms, and controlled environments.
- Supports Research and Production: Perfect for laboratory research and precision-driven production processes.
- Temperature and Pressure Resilience: Operates effectively under various temperature and pressure conditions.
- Easy to Use: Compatible with aerosol generators and photometers for HEPA filter leak testing

Specification

Model	PAO-4
Boiling Point	754 ° F
Water Solubility	Insoluble
Size Available	5L, 10L, 20L

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