



Oil Aerosol Reagents



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A Grade Above

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A Choice of Reagents

ATI offers both DOP (Di-2-ethyl hexyl phthalate/DEHP) and PAO-4 (poly-alpha olefin) reagents for use in filter testing applications.

PRODUCT SPECIFICATIONS

	DOP	PAO-4
Boiling Point	446°F @ 1mm Hg	754°F
Specific Gravity	0.983 @ 77°F	0.819 @ 60°F
Vapor Pressure	< 1.2mm Hg @ 392°F	N/A
Vapor Density	13.5 (air=1)	N/A
Solubility in Water	Insoluble	Insoluble
Appearance / Odor	Clear liquid, mild odor	Colorless, odorless liquid
Freezing Point	N/A	N/A
pH at 5%	N/A	N/A
Flash Point	420°F	432°F
Method Used	Cleveland open cup	Cleveland open cup
Flammable Limits in Air	N/A	N/A
Auto-Ignition Temp	UEL: N/A LEL: 0.3% @ 474°F	UEL: N/A LEL: N/A

DOP Reagent

ATI products include DOP-based reagents (Chemical Abstract System ID 117-81-7) commonly used in U.S. Department of Energy testing and NIOSH respirator cartridge developmental and quality assurance testing.

PAO-4 Reagent

ATI also offers four-centistoke PAO. These reagents offer a U.S. Food & Drug Administration-approved alternative to DOP in FDA-regulated filter leakage testing applications. PAO is approved by the U.S. Army Surgeon General and is used by the United States military as a substitute for DOP in their filter and mask testing processes.

Product Configuration

ATI Oil Aerosol Reagents are available in both 1 gallon and 5 gallon containers. Larger volumes may be available upon request.



Service & Training @ ATI

- OEM calibration, maintenance & repair
- ATI Certified Operational, Service & Maintenance Training (Contact Us)
- Quality testing for HEPA filters & protective masks available at our ISO-9001 registered, NQA-1 & DOE compliant Test Laboratory