

Description:

Santovac 5P Ultra has the same properties of **Santovac 5** but guarantees minimal amounts of the 3 and 4 ring polyphenyl ethers; less than .02% and .1% respectively. This makes Santovac 5P Ultra the fluid of choice for ultra-clean applications such as mass spectrometry. Santovac 5P Ultra is the standard diffusion pump fluid recommended by HP (HP #6040-0809). So if you require the best try Santovac 5P Ultra. Santovac 5P is the highest quality diffusion pump fluid available for scientific instruments.

Low Vapor Pressure: Extremely low vapor pressure results in low ultimate pressures. The vapor pressure of Santovac 5P Ultra at 25 degrees C determined by extrapolation of higher temperature data is 4×10^{-10} . This, together with low backstreaming characteristics, means that 10^{-10} torr vacuums can be obtained in well designed systems without the use of liquid nitrogen traps. These characteristics can also eliminate the need for baffles, allowing greater pumping speed.

High Thermal Stability: Santovac 5P Ultra offers unusually high thermal and oxidation stability. Isoteniscope tests show that they remain thermally stable at 870 degrees F.

The corrosion portion of the test indicates that Santovac 5P Ultra is generally compatible with the metallic materials most often used in diffusion pump manufacture.

Clean and easy to use: Absorbed films of Santovac 5P Ultra is easier to remove than silicone films.

Viton® is a trademark of DuPont Dow Elastomers
Santovac® is a registered trademark of Santovac Fluids, Inc.

Features:

- Ultimate Pressure to 10^{-10} Torr.
- Lowest Backstreaming Characteristics
- Excellent Thermal Stability
- High Tolerance to Pressure Bursts

Specifications:

Appearance	Clear Clear
Vapor Pressure at 25 °C (torr)	4×10^{-10}
Viscosity at 40 °C (cSt)	368 cSt
Viscosity at 100 °C (cSt)	13.1 cSt
Pour Point (°C)	4
Flash Point (°C)	290
Refractive Index at 25 °C	1.630
Thermal Stability (°C)	<453
Vapor Pressure at 260 °C (mmHg)	0.2
Surface Tension (dynes/cm)	49.9
Specific Gravity at 25 °C	1.2

SDS:

[Click here to view SDS](#)