SANTOLUBES
SANTOVAC

TECHNICAL DATA SHEET

SANTOVAC® 5

Polyphenyl Ether Vacuum and High-temperature Fluid

SANTOVAC® 5 vacuum and high-temperature fluid has exceptionally low volatility and is a thermally stable, halogen-free, clear, colorless fluid. It is extremely resistant to degradation from heat, oxygen, radiation, and chemical attack. SANTOVAC® 5 is designed for applications where extreme high temperature and adverse environments are expected. It is compatible with most metals and elastomers, commonly used in high temperature applications. SANTOVAC® 5 is considered essentially nontoxic, especially when proper hygienic practices are employed.

ATTRIBUTES

♦ Exceptionally Low Volatility	♦ High Thermal Stability
♦ Resists Chemical Attack	♦ High Refractive Index
♦ Resists Oxidation and Radiation Degradation	♦ Excellent Resistance to Rust And Corrosion
♦ Reduces Noise in Many Applications	♦ Precious Metal Protectant

TYPICAL PHYSICAL AND PERFORMANCE PROPERTIES[1]

Appearance	Clear, Colorless Fluid	**Corrosion and Oxidation Test - ASTM D 4636 (FTM 791-5307/5308)** [600°F, 48h]	
Viscosity at 40°C – ASTM D 445, cSt	370	*TAN Change*	0
Viscosity at 100°C	13.0	*Viscosity Change at 40°C*	None
Pour Point – ASTM D 97, °C	4	*Metal Weight Change, mg*	
Flash point – ASTM D 92, °C	288	Steel	0.02
Refractive Index at 25°C	1.630	Silver	0.03
Vapor Pressure, mm Hg at 260°C	0.2	Copper	0.14
Thermal Stability up to °C	453	Aluminum	0.04
Surface Tension at 100°F, Dyne/cm	49.9	**Elastomer Compatibility – ASTM D 471** [Viton, Silicone, Teflon, Buna N]	Pass
Precious Metals Compatibility	Pass	**Bearing Metals (Steel/Copper) Compatibility**	Pass

[1] Please note that these data are typical of samples tested in the laboratory and are not to be considered as sales specifications.

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