



TECHNICAL DATA SHEET

SANTOVAC[®] 5 GB LUBRICATING GREASE

Ultra High-Vacuum and High Temperature Grease

SANTOVAC[®] 5 GB Lubricating Grease is a non-melting, high temperature, ultra-high vacuum grease with exceptional resistance to oxidation, radiation, chemical attack, and moisture. The base fluid used in this grease is Polyphenyl Ether (SANTOVAC[®] 5) that has been successfully used for many years in high performance vacuum applications. SANTOVAC[®] 5GB Grease is also recommended for applications, where exposure to extreme chemical environments, radiation, and high temperature is expected.

PRODUCT ATTRIBUTES

- ◆ Exceptionally low volatility
- ◆ Resists chemical attack
- ◆ Excellent resistance to rust and corrosion
- ◆ High thermal Stability
- ◆ Resists oxidation and radiation
- ◆ High Dielectric Strength.

TYPICAL PHYSICAL AND PERFORMANCE PROPERTIES¹

Physical Properties	Typical Results
Appearance	Smooth, white
Worked Penetration	220
Un-worked Penetration	224
Dropping Point, °C	>260
Evaporation Rate, 24hrs/150°C	Nil
Oil Separation, 24 hrs/150°C	<0.1
Vapor Pressure	4X10 ⁻¹⁰ Torr at 25°C
Max Operating Temperature, °C	316

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