



- **EXCELLENT ELECTRICAL INSULATING PROPERTIES AND CHEMICAL STABILITY, HIGH FLASH POINT, LOW FREEZING POINT**
- **WIDE TEMPERATURE OPERATING RANGE, CONSISTENCY VARIES WITH TEMPERATURE MINIMA AND NEVER CURED**
- **EXCELLENT LUBRICATION AND SEALING, GOOD COMPATIBILITY WITH MOST PLASTICS AND RUBBER**
- **EXCELLENT WATER RESISTANCE, RESISTANCE TO WEATHERING, RESISTANCE TO WEAK ACID WEAK BASE, EXTREMELY LONG LIFE**

## INTRODUCTION

WSM166 / 168/169 is a modified silicone oil, and add functionality ultra pure insulating filler additives, insulation ointment made by a special process. This insulating silicone grease with excellent resistance to high pressure, waterproof, anti-creepage performance, design insulation, sealing, lubrication and moisture for high voltage cable connectors and high voltage electrical equipment, and can reduce the aging of climate instability caused by the material surface. Temperature range -40 %°C ~ + 200 °C.

WSM 166: High insulating silicone oil 20g.  
WSM 169: high insulation grease 100g.  
WSM168: high insulation grease 1000g.

## TYPICAL APPLICATIONS

Suitable for high voltage cable accessories (power cable connectors and switches Accessories) and electrical Insulator, preventing the release and eliminate corona arc, from insulation, anti-creepage, Micronesia. The role of lubrication and seal moisture resistance and so on.

Widely used in high-voltage generator, high voltage electrical connectors, battery connector, high voltage power supply, piercing clamp toothed mouth of the insulation, sealing, moisture, corrosion, each Metal / plastic, metal / rubber surface combined with a lubricant during assembly.

## NOTE

1. Clean the surface of the insulating grease evenly applied directly to the surface of the insulating layer;
2. For special rubber parts, should do compatibility tests before use or approved by the manufacturer.

## PHYSICAL CHEMISTRY DATA

Color Appearance	White translucent paste	VISUALLY
Not Worked penetration, (25°C), 0.1mm	290~310	ASTM D217
Oil separation, (100°C, 24h) , Wt. %	5.5	ASTM D6184
Relative density(25°C)	1.02	ASTM D1480
Volume resistivity(150°C, 24h) , %	10 <sup>15</sup>	ASTM D257
Volatile(150°C, 24h) , %	2.0	ASTM D2595
Corrosion(100°C, 24h, T2Cu)	1a	ASTM D4048
Voltage breakdown strength(kV/mm)	23~28	ASTM D877

Note: The above technical data for the average of the current product test results, may be limited by production error, we reserve the right to modify data.

Wisman High Voltage Electronics is the world's leading provider of high performance, custom and standard DC high voltage power converters and X-Ray sources for medical, industrial, semiconductor, security, analytical, laboratory and under-sea cable power-feed applications. As a global supplier with strategically located design and manufacturing facilities in china, Europe and Asia, Wisman is committed to providing best-in-class support to OEM customers and end-users throughout the world.

Additional information on Wisman and their wide range of high voltage products is available at: [www.wismanhv.com](http://www.wismanhv.com)