

# Technical Data Sheet

PR5507

## Low Consistency Silicone Valve & O-Ring Lubricant

# PREMIERREPAK

Silicone Sealants • Silicone Compounds • Silicone Greases  
Anti-Seize Pastes • Aerosol Lubricants • Silicone Fluids  
Contract Packaging • Private Label • Turnkey Packaging

### FEATURES

- Highly water repellent
- High dielectric strength
- Low volatility
- Good thermal oxidation and chemical stability
- Retains its grease like consistency from -57°C - 204°C (-70°F - 399°F)
- Odorless
- Adheres readily to dry metals, ceramics, rubber, plastics and insulating resins

### COMPOSITION

- Silicone fluids
- Silica filler

### APPLICATIONS

PR5507 Low Consistency Silicone Valve & O-ring Lubricant can be used in applications including:

- Mold release agent for foundry shell and core molds
- A moisture proof seal for aircraft, automotive and marine ignition systems and spark plug connections
- Break-in treatment for bladders on tire presses
- Rubber lubricant and preservative
- Release agent for adhesives and glues
- Airframe lubricant
- Cable-pulling lubricant to draw rubber-covered cable through conduit
- Release agent for plastic extruders and processing equipment
- Release agent for plastic film packaging machines
- Used as a seal and lubricant for:
  - Cable connectors
  - Battery terminals
  - Rubber door seals
  - Switches

### DESCRIPTION

PR5507 Low Consistency Silicone Valve & O-ring Lubricant is a grease-like compound containing an inert silica filler in combination with selected polydimethyl silicone fluids designed to provide superior release characteristics on rubber and plastic substrates while maintaining the excellent dielectric properties inherent with silicone compounds. Formulated to provide corrosion protection from materials such as aluminum, lead magnesium alloys, solder, steel, zinc, and copper.

### TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact PremierRepak, Inc. for assistance in preparing a specification.

Property	Test Method	Typical Value	Range
		Translucent Paste, Homogeneous	
Color		#1	
NLGI Grade	ASTM D 217		
Specific Gravity at 25°C	CTM	1.0 g/cm <sup>3</sup>	
Bleed, (200°C /24hrs)	CTM	0.9%	5% max
Evaporation, (200°C /24hrs)	CTM	1.9%	5% max
Penetration, worked x 60	ASTM D 217	275	230-320
Temperature Range		-57° to 204°C	
Melting Point		None	
<b>Electrical Properties</b>			
Dielectric constant, (100kHz)	ASTM D 150	2.7	3.1 max
(100 HTZ)	ASTM D 150	2.98	3.1 max
Dielectric Strength, 50 Mil Gap	ASTM D 149	510V/mil	
Volume Resistivity, (ohm-cm)	ASTM D 257	1.25x10 <sup>14</sup>	1.0x10 <sup>13</sup>
Arc Resistance, seconds	CTM	94	
Dissipation Factor, (100kHz)	ASTM D 150	<0.0008	0.0025 max
(100 HTZ)		0.00013	

CTM: Corporate Test Method, copies of CTMs are available on request.

### STORAGE & SHELF LIFE

PR5507 can be stored up to 60 months from date of shipment at ambient temperatures in its original, closed container.

### LIMITATIONS

Should not be applied to any surface to be painted or finished. Coatings may not adhere to the silicone-treated surfaces. This product is not tested, nor approved for medical or pharmaceutical uses.

### PACKAGING

PR5507 is available in 150g tubes; 400g grease cartridges; 3.6kg pails and 18.1kg pails.

*Special packaging and private labeling is available upon request.*

**PREMIERREPAK**  
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