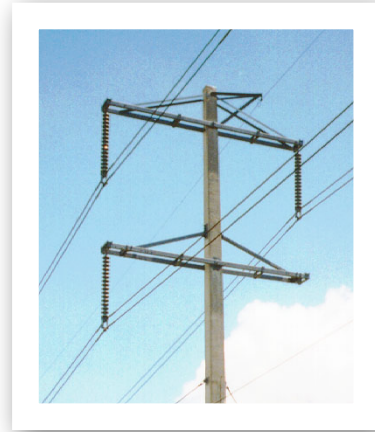


# JIT SILICONES +

## Dielectric Compound

### Dielectric Compound

- Primary Use(s):
  - A non-conductive, water repellent which aids in prevention of conductive pathways
  - Protecting insulators
  - Disconnect switches
  - Insulator threads
  - Lubricant for plastics & elastomers
  - Service entrance cable
- Service Temperature -70° F to 399° F
- Translucent paste



#### Standard package sizes:

ITEM #	SIZE	NOTE
20016	5.3oz Tube	12 Tubes Per Standard Box
20017	8 lb Pail	Plastic Pail
20018	5 Gallon Pail	Plastic Pail
20019	55 Gallon Drum	Metal Drum

## JIT Silicones +

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#### Available from:

# TECHNICAL DATA SHEET

## *Dielectric Compound*

### FEATURES

- Highly water repellent
- High dielectric strength
- Low volatility
- Good thermal oxidation and chemical stability
- Service Temperature range from -73°C - 204°C (-70°F - 399°F)
- Odorless
- Adheres readily to dry metals, ceramics, rubber, plastics and insulating resins

### COMPOSITION

- Comparable to Dow Corning® 5 Compound

### APPLICATIONS

- Silicone fluids
- Silica filler
- Contact lubricant on high-voltage equipment
- Help prevent arcing and flashovers on insulators and bushings
- Lubricate static and dynamic O-Ring seals in hot-melt adhesive equipment
- To help prevent rust and corrosion on insulator threads and bolts; also helps in removal of insulators and hardware for replacement
- As a water-repellent filling material to help prevent moisture from traveling inside the rubber jacket of service entrance preventing oxidation and corrosion on contacts and screws of socket-type meters

**Usable Life & Storage** -- When stored at or below 32°C (89.6°F), this product has a minimum usable life of 60 months from date of production.

**Handling Precautions** - See MSDS Sheet

**Limited Warranty - Please Read Carefully**The information contained herein is offered in good faith and is believed to be accurate. However, Because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that JIT Silicones + (JIT) products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

JIT's sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. JIT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. JIT DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

*Dielectric Compound* is a grease-like material containing an inert amorphous silica filler in combination with selected dimethyl and phenylmethyl silicone fluids. It is designed to with superior release and compatibility characteristics on rubber and plastic substrates, maintaining the excellent dielectric properties inherent with silicone compounds. This nonconductive compound is used primarily for applications such as insulators and bushings; as a lubricant for high-current switches in extreme temperature environments.

### TYPICAL PROPERTIES

The values reported on this sheet should not solely be used for preparing specifications on this product. Please contact JIT Silicones Plus for assistance in preparing a specification.

Property	Test Method	Typical Value	Range
Color		Translucent Paste, Homogeneous	
NLGI Grade	ASTM D 217	#2	
Water Washout, %	CTM	41%	1 max
Specific Gravity at 25°C	CTM	1.0 g/cm	
Bleed, (200°C /24hrs)	CTM	2.4%	10% max
Evaporation, (200°C /24hrs)	CTM	0.7%	3% max
Penetration, worked x 60	ASTM D 217	275	200-300
Temperature Range		-73° to 204°C	
Melting Point		None	
<b>Electrical Properties</b>			
Dielectric constant, (100kHz)	ASTM D 150	2.9	3.5 max
	(100 HTZ) ASTM D 150	2.99	3.5 max
Dielectric Strength, 50 Mil Gap	ASTM D 149	785V/mil	800V/mil
Volume Resistivity, (ohm-cm)	ASTM D 257	2.4x10	1.0x10
Arc Resistance, seconds	CTM	94	60 min
Dissipation Factor, (100kHz)	ASTM D 150	<0.002	0.0025 max
		(100 HTZ)	0.00013

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

### 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

*Dielectric Compound* is available in 55 gallon drums (440 lb), 5 gallon pails (40 lb) or 1 gallon pails (8 lb), and 5.3oz. tubes.