

## Electronics Grade Silicone Adhesive Sealant (Black) 20g Squeeze Tube

### Product Highlights

Safe for use with Electronics, Meets the requirements of MIL 46106B Type 1  
 Seals, Bonds, Encapsulates  
 Resistant to Various Chemicals and Oils  
 Non-Corrosive, Non-Conductive, Flexible, Durable, Non-Degrading  
 Withstands Moisture, Vibration, Abrasion



### Common Uses

Protecting, Sealing and Insulating Corrosion Sensitive Electronic Components and Electrical Materials.  
 OEM Commercial and Industrial Manufacturing for Flexible Permanent Bonding and Sealing.

### Instructions

Surfaces should be clean and dry. Unscrew cap, cut the tip off. If tooling is required, do so within the first 10 minutes after dispensing. Apply the silicone to surfaces and remove the excess silicone after tooling with a dry clean cloth. Allow the silicone to cure completely. At room temperature, 25°C (77°F), and 50% relative humidity, the silicone will skin in 10 minutes and fully cure in 24 hours (1/8" bead). The silicone will reach its maximum adhesion in 7 days. Higher humidity accelerates curing.

### Specifications

Meets and Exceeds:	ASTM C920, MIL 46106B Type 1
VOC:	VOC Compliant (< 3 %), Low Odor
Operating Temperature Range:	-57°C to +204°C (-70°F to +400°F)
Curing Time:	10 min (skin), 24 hours (full cure), 7 days (max adhesion)
Shore A Hardness:	30 +/- 2
Tensile Strength (at Break):	250 +/- 25 psi
Elongation (at Break):	400 +/- 25 %
Tear Strength:	30 +/- 10 psi
Shrinkage (Weight Loss):	< 5 %
Adhesion Strength (Peel):	8 +/- 2 psi (primed aluminum), 10 +/- 2 psi (glass), 12 +/- 2 psi (primed mortar)
Joint Movement Capability:	+/- 25% (4:1 Safety Factor)
Dielectric Strength:	460 V/mil (18 kV/mm)
Dielectric Constant:	2.7 (at 50 Hz, 1 kHz, and 1 MHz)
Dissipation Factor:	0.0009 (at 50 Hz), 0.0004 (at 1 kHz), 0.0002 (at 1 MHz)
Volume Resistivity:	2 x 10 <sup>14</sup>
Surface Resistivity:	3 x 10 <sup>16</sup>
Color:	Black
Viscosity:	750 x 10 <sup>3</sup> to 2,000 x 10 <sup>3</sup> mPas (cps) (Spindle 7, 4 RPM)
Size:	20g squeeze tube

### Storage and Handling

Store refrigerated or at room temperature 3-25°C (37-77°F).

### Shelf Life

>36 months

### Transportation

This product has no shipping restrictions. Shipping below 0°C (32°F) or above 25°C (77°F) for normal transit times by ground or air will not impact this product's stated shelf life.

## **In-Operation Life Expectancy**

Under normal operating conditions, applied cured product should last for 30+ years.\*

\* Always test in your application to ensure suitable performance can be achieved under actual operating and environmental conditions. Dependant on substrates adhered to and operating conditions, including temperature, humidity, chemical exposure, dry vs. marine environment, etc. Standard operating temperature range is -57°C to +204°C (-70°F to +400°F). Can handle intermittent temperatures up to 232°C (+450°F), but not for continuous time periods.