

## Master Bond MasterSil 710 Silicone Paste Meets MIL Spec

Category : Polymer , Thermoset , Silicone

### Material Notes:

Description: MasterSil 710 is an easy to use, one component, high performance silicone elastomer compound for bonding, sealing, coating and formed in place gaskets. This product meets the Meets MIL-A- 46146A Type 1 specification. It is non-corrosive, fast setting and has a paste consistency. It can be widely used for many applications, particularly in aerospace and electronics. MasterSil 710 can be used in electronics, for example, for bonding sensitive wires and components. It bonds well to a wide variety of substrates. The rapidity of the cure depends on the thickness of the layer and the humidity; the thicker the layer the slower the cure. MasterSil 710 is serviceable over the broad temperature range of -75°F to +400°F. Its color is translucent. Information provided by MasterBond®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Master-Bond-MasterSil-710-Silicone-Paste-Meets-MIL-Spec.php](http://www.lookpolymers.com/polymer_Master-Bond-MasterSil-710-Silicone-Paste-Meets-MIL-Spec.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	35 - 45	35 - 45	
Tensile Strength at Break	3.45 - 4.14 MPa	500 - 600 psi	
Elongation at Break	550 - 650 %	550 - 650 %	
Shear Strength	0.517 - 1.03 MPa	75.0 - 150 psi	Tensile, Al to Al

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	204 °C	400 °F	
Minimum Service Temperature, Air	-59.4 °C	-75.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	
Dielectric Constant	2.5 @Frequency 60.0 Hz, Temperature 25.0 °C	2.5 @Frequency 60.0 Hz, Temperature 77.0 °F	
Dielectric Strength	19.7 kV/mm @Thickness 3.17 mm	500 kV/in @Thickness 0.125 in	
Dissipation Factor	0.0010 @Frequency 60.0 Hz, Temperature 25.0 °C	0.0010 @Frequency 60.0 Hz, Temperature 77.0 °F	

Electrical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Cure Time	7.02 - 12.0 min	0.117 - 0.200 hour	Tack-free time
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	in original unopened containers

Descriptive Properties	Value	Comments
Appearance	Translucent	

## Contact Songhan Plastic Technology Co.,Ltd.

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