



**CUSTOM-ENGINEERED SHIELDING PRODUCTS**  
 METEX has been a pioneer in EMI/RFI gasketing and shielding products for more than five decades. In fact, METEX developed the very first EMI/RFI gasket to help MIT solve a severe interference problem for the earliest high-power, high-frequency airborne radar.

That pioneering spirit is still alive today—with a complete line of military and commercial-grade EMI/RFI shielding solutions.

As communications and information technologies expand, the need to provide EMI/RFI solutions becomes more critical than ever before.



TECHNICAL BULLETIN NUMBER 203



**C O N D U C T I V E  
 S I L I C O N E A D H E S I V E**

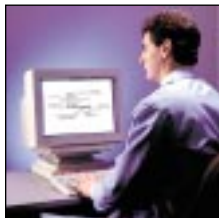
Metex Conductive Silicone Adhesive is an RTV silicone, loaded with electrically conductive metallic particles. A variety of conductive filler materials are available to suit a variety of bonding and sealing applications.

METEX Conductive Silicone Adhesive is easy to apply, has an extremely high bond strength, provides superior shielding performance and is available in custom formulations to meet special requirements and applications.

Conductive Silicone Adhesive is available in standard metal tube or cartridge containers of 1.0 fluid oz., 2.5 fluid oz., or 10.3 fluid oz. sizes. Clean surfaces using acetone, MEK, xylene, or isopropyl alcohol. Shelf life of unopened containers is six months from date of shipment, provided that materials are stored dry, below 23°C. Consult the factory if a pure silver filler adhesive with a volume resistivity of .005 is required.

**Specifications**

Conductive Material	Nickel Graphite	Silver Glass	Silver Nickel	Silver Aluminum	Silver Copper
Specific Gravity	2.29	1.82	3.58	1.86	3.58
Skin-over	15	15	15	15	15
	Tack-free 90	90	90	90	90
Volume Resistivity (U-cm <sup>3</sup> )	.06	.01	.008	.01	.008
Color	Grey	Tan	Tan	Tan	Tan
Durometer	65	75	72	74	72
Tensile	540	425	285	260	285
Elongation	210	100	150	155	150
Tear	90	52	50	45	50



Complete support—from technical review to design and application assistance



World-class EMI/RFI manufacturing capabilities

**Metex Part Numbers**

Material Type	1 Ounce Tube	2.5 Ounce Cartridge	10.3 Ounce Cartridge
Nickel Graphite Particles in RTV	718-0001-0010-00	718-0001-0025-00	718-0001-0103-00
Silver-Plated Glass in RTV	718-0002-0010-00	718-0002-0025-00	718-0002-0103-00
Silver-Plated Nickel in RTV	718-0003-0010-00	718-0003-0025-00	718-0003-0103-00
Silver-Plated Aluminum in RTV	718-0004-0010-00	718-0004-0025-00	718-0004-0103-00
Silver-Plated Copper in RTV	718-0005-0010-00	718-0005-0025-00	718-0005-0103-00



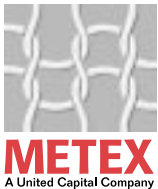


## Metex Electronic Shielding Products

The diversity and versatility of our product line enables Metex to offer a wide range of custom solutions to optimize shielding effectiveness. We provide both off-the-shelf and custom designs in commercial and military-grade materials to ensure EMC integrity and quality. From prototype to volume production, our product line includes:

- Knitted Wire Mesh
- Vent Panels/Mesh Screens
- Spring Fingers
- Conductive Fabric
- Oriented Wire
- Braided Sleeving
- Shielded Windows, Instrumentation and Rooms
- Conductive Silicone Adhesive
- Shielding Tape/Foil Laminates
- Fabric Over Foam Gaskets
- Connector Gaskets
- Braided Rope
- Wire Mesh Gaskets

Our **Conductive Silicone Adhesive** continues a long-standing Metex tradition of integrating the right designs, materials and production methods to meet customer needs for optimal performance at the lowest possible cost.



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