

Moreau Mkt. & Sales

Electrically Conductive RTV Silicones

Conductive particle filled adhesive sealants are a one part electrically conductive room temperature curing elastomer. They are supplied as a readily extrudable pastes that cures rapidly when exposed to atmospheric moisture. When completely cured, the MMS-EC series of conductive silicones are highly resilient elastomers that exhibit superior adhesion to a variety of substrates as well as low volume resistivity.

FEATURES :

* Electrically conductive
* Non - corrosive
* One part - no mixing
* Thixotropic paste
* Excellent adhesion to various substrates
EMI/RFI Shielding Adhesive

TYPICAL PROPERTIES

	020 NICKEL GRAPHITE	030 SILVER GLASS	040 SILVER NICKEL	050 SILVER ALUMINUM	060 SILVER COPPER	080 PURE SILVER
SPECIFIC GRAVITY	2.29	1.82	3.58	1.86	3.58	4.20
SKIN OVER TIME(MIN)	15	15	15	15	15	15
TACK FREE TIME(MIN)	90	90	90	90	90	90
COLOR	dark gray	tan	tan	tan	tan	tan
DUROMETER Shore A	65 ASTM D-2240	75	72	74	72	65
TENSILE STRENGTH psi	540 ASTM D-412	415	285	260	285	280
ELONGATION %	210 ASTM D-412	100	150	155	150	165
TEAR STRENGTH (Die B) lbs./in	90 ASTM D-624	52	50	45	50	54
VOLUME RESIST Ohm-cm	.06	.01	.008	.01	.008	.005
Service Temperature	-40 F to 450+ F	-40 F to 450+ F	-40 F to 450+ F	-40 F to 450+ F	-40 F to 400+ F	-40 F to 450+ F

Surfaces to be bonded must be clean, dry and oil free. Typical solvents used to clean substrates are acetone, methyl ethyl ketone, xylene and isopropyl alcohol. Apply adhesives directly from their package to the desired area. If this product is to be used as a sealant, it should be applied liberally to the interface. It is important to force adhesives into the material being bonded as much as possible. If maximum adhesion and RFI shielding are desired, apply weight to the sealed interface during cure. An appropriate primer is also available for difficult bonding substrates.

SAFETY AND HANDLING INFORMATION

WARNING !! Contact with adhesives is irritating to skin and eyes. If contact is made with the skin, the excess should be wiped off with a dry cloth or paper towel followed by a waterless hand cleaner such as the type used to clean grease or oil from the skin. For specific information regarding safety and handling of this product refer to the Material Safety Data Sheet.

CLEAN UP

Uncured adhesives may be removed from a surface with xylene or acetone

STORAGE INFORMATION

Shelf life of adhesives are one (1) year from date of shipment provided the products are stored in the dry, tightly sealed, original container below 23 C (73.4 F).

Container Size

Due to expense of material, 1 oz. Trial sizes are available for purchase.
1 oz., 10.3 oz (305 ml) cartridges, 40 lb. Pails, 400 lb. Drums,
Other containers available upon request.

Moreau Marketing & Sales

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