

## AS-RTV-EC

### Product Description

AS-RTV-EC is an electrically conductive, moisture curing silicone RTV. AS-RTV-EC is a 1-Part silicone that when applied to the substrate allows handling of the assembly after 1 hour. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperature. AS-RTV-EC works well in manual and automatic dispensing equipment.

### Product Features

- Room temperature cure
- Thixotropic paste
- High temperature resistant
- Non-corrosive oxime cure
- Primerless adhesion to most metals and typical substrates.

### Curing:

RTV stands for Room Temperature Vulcanization, which means to cure at room temperature. Typical utilization involves dispensing in open air and after exposure to ambient humidity, a room temperature cured rubber is formed.

### Packaging

Available in standard 3 fl oz. tubes and 10.3 fl oz. caulkers. Other size packaging available upon request.

### Shelf-life

In sealed containers, 6 months when stored in a cool dry area

### Service Temperature:

-45 to 250°C

## Electrically Conductive Silicone RTV

### Typical Properties

#### UNCURED

*Color:	Dark Gray
Viscosity, cps	600,000
Specific Gravity	2.29
Consistency	Thixotropic paste
Working time, mins. @ R.T.	15
Tack Free Time, mins. @ R.T.	60
Application Rate, 90 psi g/min.	400
Solids, %	98
VOC, %	0.729

\*(custom colors available upon request)

#### CURED – ROOM TEMPERATURE

Cured	72 hrs. @ R.T.
Durometer, Shore A	65
Volume resistivity, Ohms/cm	0.06
Thermal Conductivity, W/m/K	>2.5
Conductive Filter	Nickel/Graphite

### Typical Applications

- EMI/RFI silicone shielding
- Electrically conductive sealant
- Thermally conductive sealant
- Form in place gaskets

### Method of Application

Dispense sealant onto part. Mate parts, and be sure not to squeeze all of the product out of flange assembly. Allow to cure.

### Limitations

Allow sealant to fully cure before putting assembly into service. Ensure enough product remains between flanges to be effective in an assembly.

### Handling and Safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to SDS.