

AUBURN PRODUCT NEWS

PRELIMINARY DATA SHEET

COHRIlastic[®] EC-102 Electrically Conductive Solid Silicone

Auburn COHRIlastic[®] EC-102 is an electrically conductive 60 durometer (Shore A) solid silicone rubber sheet. The **EC-102 silicone** performs three distinct functions; the carbon filler in it allows it to act as a low amperage conductor; it shields RF and EM interference; and it protects against electrostatic discharge. **EC-102 silicone** has a unique chemical structure that gives it a high temperature stability and general inertness unavailable in any other elastomer.

Typical Properties

Property	EC102 Silicone Rubber
Color	Black
Durometer (ASTM D-2240) (Shore A)	60
Tensile Strength (ASTM D-412) (psi)	700
Elongation (ASTM D-412) (%)	200
Compression Set (%, 22 hours @ 212° F)	20
Tear Strength (ASTM D-624 Die B) (ppi)	60
Volume Resistivity (ohms-cm.)	5
Operating Temperature (°F)	-100°F - +500°F

All properties are typical values and should not be used for writing specifications.

Availability

Continuous length material can be purchased at 36" wide yard goods in thicknesses of .020", .032" and .062. Sheets 1/2" thick may be split to other thickness. To obtain more information about **EC-102 silicone rubber**, please check with your Auburn Customer Service Representative.

Application Advantages

- Long service life.
- Excellent compression set resistance, ablative properties.
- Excellent shelf life. Auburn will certify 10 years when stored at 70-90° F and less than 50% relative humidity.
- Low amperage conductor, RFI/EMI shield, protection against electrostatic discharge.

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