

# EC-102

## Electrically Conductive Solid Silicone Rubber

**Saint-Gobain\* Norseal\*** EC-102 is an electronically conductive 60 durometer (Shore A) solid silicone rubber sheet. The silicone line has a unique chemical structure that gives it a high temperature stability and general inertness unavailable in any other elastomer.

**Norseal** solid silicone products are specially designed to provide the following features:

- RFI/EMI shield protection against electrostatic discharge
- Low amperage conduction
- Smooth, defect-free surface
- Low compression set
- Low outgassing
- Excellent release characteristics
- Long service life
- Good chemical and fluid resistance

### Available Sizes

Standard thickness: .020, .031, .063, .094 and .125 in.

Master roll size: 36 in. (914 mm) × continuous length

Sheet size: 36 in. × 36 in. (914 mm × 914 mm)



## APPLICATIONS

- Electronic cabinets
- Electronic PC boards
- RMI/EMI gaskets

**Norseal EC-102 — Properties**

(COHRLastic® EC-102)

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

Property	Test Method	EC-102
Durometer: Shore A	ASTM D2240	60
Tensile Strength: psi	ASTM D412	700
Tear Strength	ASTM D624	60
Elongation: %	ASTM D412	200
Compression Set: %, 70 hours @302°F	—	20
Volume Resistivity: ohms-cm	—	5
Temperature Range: °F	—	-100 - +500

**Norseal EC-102 — Standard Roll Sizes**

Product No.	Thickness in. (mm)
EC-102	.020, .031, .063, .094, .125 (.51, .79, 1.59, 2.38, 3.18)

**Options** (subject to minimum order requirements)

Powder-free, interleaf liner added for ease in winding.

Acrylic pressure-sensitive adhesive (PSA) available in sheet format only (see **Norseal** Silicone Elastomer Acrylic Adhesive Option data page for details).

**Important Instructions**

Because **Saint-Gobain** cannot anticipate or control every potential application, we strongly recommend testing of this product under individual application conditions prior to commercial use.

When using PSA option, surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface. Do not remove liner until tape is in proper position. Avoid touching adhesive surface before application.

Recommended service temperature of the silicone elastomer is between -100°F to 500°F (-73°C to 260°C).

**Shelf Life**

10 years after the date of sale for base material when stored in original packaging at temperatures up to 70°F (21°C) and 50% relative humidity (for optional PSA, see other data sheets).

**Saint-Gobain Tape Solutions**

North America | South America | Europe | Asia

For a full list of locations, please visit  
tapesolutions.saint-gobain.com/contact-us

**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

**WARRANTY:** For a period of 6 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Form #1051 | © Saint-Gobain May 2021 | **Norseal** and **Saint-Gobain** are trademarks of Saint-Gobain.