

# EC-102

## Electrically Conductive Solid Silicone Rubber

**Saint-Gobain® Norseal®** EC-102 is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with 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 intended 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 and .094 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 (.51, .79, 1.59, 2.38)

**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**

120 months from date of shipment for base material when stored in original packaging at temperatures up to 70°F (21°C), < 50% relative humidity, and away from direct sources of heat and direct sunlight. (See the applicable data sheets for pressure sensitive adhesive options).

**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 your actions or inactions, including your use, design, fabrication or application of the products into which the materials are incorporated.

**WARRANTY:** This document should not be considered a warranty or a guarantee. The descriptions of the Product provided hereinabove may vary based on specifications requested and testing protocols. Typically, Saint-Gobain warrants that product(s) will meet mutually agreed specifications at delivery and Saint-Gobain honors any breach of warranty claims for six (6) months from delivery of the products. If a product is determined to be nonconforming with its warranty, Saint-Gobain's sole obligation is, at its option, to either replace the nonconforming products or reimburse the purchase price for the same.

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 OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE.

Form #1051 | © Saint-Gobain April 2025 | All the mentioned trademarks are registered trademarks of Saint-Gobain Tape Solutions or affiliates, part of Saint-Gobain group.

**TAPE SOLUTIONS**

North America | South America  
Europe | Asia

For more information, please visit  
[tapesolutions.saint-gobain.com](http://tapesolutions.saint-gobain.com)