

## Solid Silicone Rubber (Roll Format)

Saint-Gobain NORSEAL® 9030-9070 solid silicone is a general purpose silicone rubber manufactured in 914 mm x continuous length form. It is available in degrees of hardness ranging from relatively soft 30 durometer to relatively hard 70 durometer on the Shore A scale. It is manufactured in different formulations to provide a choice of physical properties and cost considerations. NORSEAL 9030-9070 withstands temperatures from -73°C to +260°C. Other benefits include extremely long life, gasket reliability and non-toxicity.

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

- Smooth, defect-free surface
- Low compression set
- Low outgassing
- Excellent release characteristics
- Long service life
- Good chemical and fluid resistance
- Capable of meeting ZZ-R-765, class 2A and 2B
- Capable of meeting specification AMS-3300

### Available Sizes

Standard thickness: .79, 1.59, 2.38 and 3.18 mm (.031, .063, .094 and .125 in.)

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

Special thickness and roll sizes also available.

### Applications

- MRI/CAT scan cabinets
- Flood lights and spotlights
- Commercial appliances
- Dielectric barriers
- L bar sealer
- Solder equipment
- Kitchen cabinetry lamination



## NORSEAL® 9030-9070 Series – Properties

(COHRLastic® 9030-9070)

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	9030	9040	9050	9060	9070
Durometer: Shore A	ASTM D2240	30	40	50	60	70
Tensile Strength: psi	ASTM D412	850	900	900	700	750
Tear Strength	ASTM D624	40	80	75	50	65
Elongation: %	ASTM D412	500	500	400	200	160
Compression Set: %, 70 hours@302°F	ASTM 395	15	15	15	20	20
Dielectric Strength: volts/mil	—	500	500	500	500	500
Thermal Conductivity: BTU, in./hr.ft. <sup>2</sup> °F	—	1.3	1.3	1.3	1.3	1.3
Temperature Range: °C	—	-73 to +260	-73 to +260	-73 to +260	-73 to +260	-73 to +260
Color	—	Red	Red	Red/Black	Red	Red

## NORSEAL® 9030-9070 – Standard Roll Sizes

Product No.	Thickness mm (in.)
9030	.79, 1.59, 2.38, 3.18 (.031, .063, .094, .125)
9040	.79, 1.59, 2.38, 3.18 (.031, .063, .094, .125)
9050 (Red/Black)	.79, 1.59, 2.38, 3.18 (.031, .063, .094, .125)
9060	.79, 1.59, 2.38, 3.18 (.031, .063, .094, .125)
9070	.79, 1.59, 2.38, 3.18 (.031, .063, .094, .125)

Roll width: 914 mm x continuous length

### Options (subject to minimum order requirements)

Talc-free interleaf liner added for ease in winding.

Acrylic (or silicone) pressure-sensitive adhesive (PSA) available in sheet format only (see NORSEAL Silicone Elastomer 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 -73°C to 260°C (-100°F to 500°F).

### Shelf Life

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

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