

4100 SERIES

Flame-Resistant Reinforced Solid Silicone Rubber

Saint-Gobain® Norseal® 4100 Series Reinforced Solid Silicone with fiberglass is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a dimensionally stable, durable material offering a flame-resistant barrier. 4100 Series is a flame-retardant, silicone-coated fabric. It is self-extinguishing when tested vertically and retains excellent flexibility throughout the usable temperature range of -100°F to 400°F. The silicone compound is applied evenly on both sides of the fiberglass fabric.

Norseal Reinforced Solid Silicone products are specially intended to provide the following features:

- Combination of silicone coating and fiberglass is flexible and compressible
- Resistant to wear and tear
- Can be bonded to itself with silicone RTV
- Stitchable fabric allows customized parts for industrial sewing
- Excellent release surface
- Excellent chemical resistance

Available Sizes

Standard thickness: .031 and .050 in.

Master roll size: 38 in. (965 mm) width × continuous length

Special thickness and roll sizes also available.



APPLICATIONS

- Military aircraft
- Acoustical blankets
- Engine compartments
- High-pressure gaskets
- Duct work clamps

Norseal 4100 Series — Properties

(Formerly referred to as COHRLastic® 4100)

The values presented are typical values and should not be used for specification purposes.

Property	Test Method	4100 Series
Fiberglass Carrier Thickness: in.	ASTM D751	0.015
Tensile Strength Warp: ppi	ASTM D751	200
Elongation: %	ASTM D751	<10
Diaphragm Burst Strength: ppi	ASTM D751	400
Weight: oz/yd ²	-	(4132)-37 (4150)-52
Width: in.	-	38
Temperature Range: °F	-	-100 — +400
Color	-	Light Blue/Gray

Norseal 4100 Series — Standard Roll Sizes

Product No.	Thickness in. (mm)
4132	.031 (.79)
4150	.05 (1.27)

Roll width: 38 in. × continuous length

Options (subject to minimum order requirements)

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 -100°F to 400°F (-73°C to 204°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.

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