

3320 & 4032

Reinforced Solid Silicone Rubber

Saint-Gobain® Norseal® Reinforced Solid Silicone with fiberglass is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a dimensionally stable, durable material for press pads, belting and gasketing. 3320 was developed to meet AMS 3320 standards and features lubricating oil resistance and excellent compression set resistance. 4032 is thin, flexible and abrasion resistant for general purpose use and expansion joints.

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

- Balanced coating provides two working surfaces
- Smooth, defect-free surface
- Low compression set
- Low outgassing
- Dimensionally stable
- Long cycle life in press pad applications
- Conformable

Available Sizes

Standard thickness: see roll size chart on following page

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

Special thickness and roll sizes also available.



APPLICATIONS

- Flexible circuit boards
- Printed circuit boards
- Conveyor belts
- Expansion joint construction
- High pressure gaskets
- Duct work clamps

Norseal 3320 & 4032 – Properties

(COHRLastic® 3320 & 4032)

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	3320	4032
Durometer with Fabric	ASTM D2240	.062 = 74 .093 = 66 .125 = 65	81
Durometer with Rubber Compound	ASTM D2240	50	50
Elongation: %	ASTM D751	<10	<10
Tensile Strength Wrap: ppi	ASTM D751	300	300
Fiberglass Thickness: in.	ASTM D751	.014	.014
Weight Loss, 4 hours @400°F: %	ASTM D573	1.5	1
Temperature Range: °F	-	-100 - +500	-100 - +500
Color	-	Red	Gray

Norseal 3320 & 4032 – Standard Roll Sizes

Product No.	Thickness in. (mm)
3320	.063, .094, .125 (1.59, 2.38, 3.18)
4032	.031 (.79)

Roll width: 36 in. x continuous length

Options (subject to minimum order requirements)

Powder-free interleaf liner 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 -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.

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