

9200 SERIES

High-Performance Solid Silicone Rubber

Saint-Gobain® Norseal® 9200 series solid silicone rubber in square sheet and continuous length form features a smooth, blemish-free surface. 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** 9200 series provides excellent tensile strength and superior tear resistance. It is tougher and more resilient than general purpose silicone and withstands temperatures ranging from -100°F to +400°F.

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

- Superior tear and cut through resistance
- 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 3B

Available Sizes

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

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

Special thickness and roll sizes also available.



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APPLICATIONS

- Lamination/bonding particle boards
- Helicopter wings
- Office equipment
- Missiles
- Walk-in bathtubs
- Boat hauling
- Military equipment

Norseal 9200 Series – Properties

(COHRLastic® 9200)

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	9235	9255	9275	9275 (clear)
Durometer: Shore A	ASTM D2240	30	50	70	70
Tensile Strength: psi	ASTM D412	1150	1200	1200	1200
Tear Strength	ASTM D624	150	160	150	150
Elongation: %	ASTM D412	800	600	350	350
Compression Set: %, 70 hours @302°F	ASTM 395	30	30	30	30
Dielectric Strength: volts/mil	-	500	500	500	500
Thermal Conductivity: BTU, in./hr. ft.2 °F	-	1.2	1.3	1.3	1.3
Temperature Range: °F	-	-100 - +400	-100 - +400	-100 - +400	-100 - +400
Color	-	Gray	Gray	Gray	Translucent

Norseal 9200 – Standard Roll Sizes

Product No.	Thickness in. (mm)
9235	.031, .063, .094, .125 (.79, 1.59, 2.38, 3.18)
9275	.031, .063, .094, .125 (.79, 1.59, 2.38, 3.18)
9275	.031, .063, .125 (.79, 1.59, 3.18)
9275 (Translucent)	.031, .125, .188 (.79, 3.18, 4.76)

Roll width: 36 in. 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.

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

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).



IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain Performance Plastics 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 Performance Plastics 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 PERFORMANCE PLASTICS DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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