



NORSEAL®

V820 Series

Providing protection in your environment

Very Soft, Closed-Cell, Polyvinyl Chloride Foam

Saint-Gobain NORSEAL® V820 is a very soft, low density foam that has been engineered for easy compression. Since it can withstand a wide range of temperatures, it can be used in all climates. NORSEAL V820 is dimensionally stable under compression; it will not drip, ooze or shift. In addition, NORSEAL V820 adapts to irregular surfaces. It is easy to radius, enhancing positive seals on curved surfaces. NORSEAL V820 can be used anywhere a soft, conformable foam product is required.

The NORSEAL V820 series is specially designed to provide the following features:

- Dimensionally stable under compression
- Withstands a wide temperature range
- Low deflection force causes no distortion of thin gauge plastics and metals
- Easy to radius, enhancing positive seal on curved surfaces
- Very conformable, adapts easily to irregular surfaces
- Flame resistant to meet FMVSS 302

Available Sizes

Standard thickness: .125, .188, .25, .375 and .50 in. (3.2, 4.8, 6.4, 9.5 and 12.7 mm)

Master roll size: 56 in. (1422 mm) width. Length varies with thickness.

Special thickness and roll sizes also available.

Applications

- Refrigeration display cases
- Refrigeration coolers
- Electronic cabinets
- Light and dust seals
- Suspended ceilings
- Wall systems
- Environmentally controlled rooms
- Toolbox lid seal
- Anti-squeak seal



NORSEAL® V820 Series – Properties

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	Value or Rating
Density: lbs./cu. ft. (kg/m ³)	ASTM D1667	6 (96.1)
Hardness: Shore 00	ASTM D2240	10
Force to Compress: psi (kPa)*	ASTM D1667	1.7 (11.7)
Compression Deflection: psi (kPa)*	ASTM D1667	.5 (3.4)
Compression Set: % lost fr. orig. ht.*	NTP-37	4
Water Absorption: % by volume*	NTP-35	5
90° Peel Adhesion: oz./in (N/m) 15 min. dwell	PSTC-2	64 (700)
Elongation: %	ASTM D412 Die A	125
Tensile: psi (kPa)	ASTM D412 Die A	13.7 (94)
Thermal Conductivity: BTU, in./hr.ft. ² °F	ASTM C518	0.27
Color	—	Black

* Based on 30% compression
NTP: Internal Test Procedure

Options (subject to minimum order requirements)

Adhesive base: No adhesive, available upon request.

Liner: Permanent PET film available upon request.

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. The product contains plasticizer, which may adversely affect some plastics.
- 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. The adhesive is intended for positioning during the assembly process. The foam tape is secured in the joint by compression of the adjacent substrates.
- The application temperature should be between 40°F and 125°F (4°C to 52°C). It is not recommended to apply these sealants at temperatures below 40°F (16°C), as the adhesive does not flow in this condition and can result in poor bonding. Recommended service temperature is between -30°F to 180°F (-34°C to 82°C).

Shelf Life

6 months after the date of sale when stored in original packaging at temperatures up to 70°F (21°C) and 50% relative humidity.

NORSEAL® is a registered trademark of Saint-Gobain Performance Plastics.



Saint-Gobain Performance Plastics

One Sealants Park
Granville, NY 12832

1-800-724-0883
Tel: (518) 642-2200
Fax: (518) 642-2793

foams@saint-gobain.com
www.foams.saint-gobain.com

The data and details in this document were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. It is the user's responsibility to obtain the latest version of the product data sheet. This data sheet is not a specification and does not assure specific product characteristics or make reference to the suitability of the product for a specific application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions. The application, use and conversion of this product are the user's responsibility.

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s).

SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

NOTE: Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

NORSEAL® V820 – Standard Roll Sizes

Product No.	Thickness in. (mm)	Length ft. (m)
V824	.125 (3.2)	100 (30.5)
V826	.188 (4.8)	50 (15.2)
V828	.25 (6.4)	50 (15.2)
V8212	.375 (9.5)	25 (7.6)
V8216	.50 (12.7)	25 (7.6)

3" I.D. cardboard cores standard