

# V9000 SERIES

## Medium Density, Natural Color, Polyurethane Foam

**Saint-Gobain® Norbond®** V9000 series natural color polyurethane foam bonding tapes are ideal for a variety of electronic and general bonding applications. **Norbond V9000** is UL listed as an electrical component (UL746C). The acrylic adhesive offers a long term bond while the conformable foam distributes stress forces.

The V9000 series is specially designed to provide the following features:

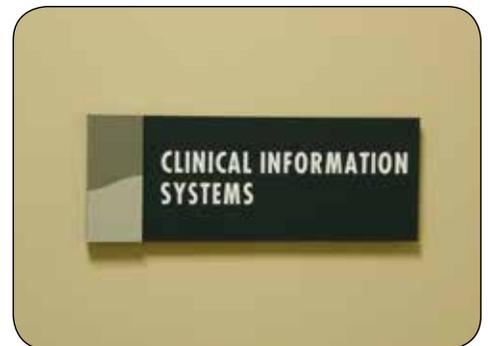
- UL listed
- Acrylic adhesive provides durable bond
- Bonds well to either painted or unpainted surfaces
- Absorbs vibration and dissipates stress

### Available Sizes

Standard thickness: .015, .030, .062 and .125 in.  
(.38, .76, 1.6 and 3.2 mm)

Master roll size: 56 in. (1422 mm) width.  
Slit rolls also available.

Standard roll length varies with thickness.



### APPLICATIONS

- Appliance emblems
- Signs
- Kick panels
- Circuit board mounts
- Electrical wire harness clips
- Retail packaging
- Interior trim and ornamentation

**Norbond V9000 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 <sup>3</sup> )	ASTM D3574	30 (480)
Modulus: psi (kPa)	ASTM D3574	85 (586)
90° Peel, oz/in. (N/cm) stainless steel/paint 20 min. dwell stainless steel/paint 72 hr. dwell	NTP-9	160 (17.5) 240 (26.2)
90° Peel, oz/in. (N/cm) painted panel 20 min. dwell painted panel 72 hr. dwell	NTP-9	80 (8.7) 112 (12.2)
Dynamic Tensile Adhesion: psi (kPa) (aluminum/aluminum 1 hr. dwell)	NTP-11	104 (717)
Dynamic Shear Adhesion: psi (kPa) (aluminum/aluminum 1 hr. dwell)	NTP-5	85 (586)
Tensile Strength of Foam: psi (kPa)	ASTM D412 Die C	200 (1,379)
Tear Strength: psi (kPa)	ASTM D624 Die C	90 (15)
Elongation of Foam: %	ASTM D412 Die C	340%

NTP- Norton Test Procedure

**Options (subject to minimum order requirements)**

Liner: White polyethylene liner is standard. Other liners may be available with minimum order requirement.

**Important Instructions**

- **Saint-Gobain** recommends testing all products under actual 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.
- Apply a uniform pressure of 15 psi (103 kPa) to promote good contact between the material to be bonded and the tape. The application temperature should be between 60°F and 125°F (16°C to 52°C). It is not recommended to apply these tapes at temperatures below 60°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 200°F (-34°C to 93°C).
- The adhesion between the substrate and the tape increases with time, typically reaching final bond strength in 72 hours. Heating the product above 105°F (40°C) will accelerate the adhesion process.

**Shelf Life**

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



**Need more adhesion? Stick with Saint-Gobain Norbond Adhesion Promoters.**

**Norbond** adhesion promoters are designed to work in conjunction with acrylic, pressure-sensitive adhesive systems (such as those used on **Norbond** tapes).

**Norbond** improves bonding on substrates that resist adhesion. It can be used to develop an immediate quick-stick and generally improves pressure-sensitive acrylic adhesive systems. This enhances adhesion to irregular and curved surfaces. Various formulations are available for specific substrates.

**Norbond V9000 – Standard Roll Sizes**

Product No.	Thickness in. (mm)	Length ft. (m)
V9015	.015 (.38)	200 (61)
V9030	.030 (.76)	200 (61)
V9062	.062 (1.6)	200 (61)
V90125	.125 (3.2)	100 (32)

3" I.D. cardboard cores standard

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**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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