

# Z100 SERIES

## Transparent Acrylic Transfer Tape for Automotive Applications

**Saint-Gobain® Norbond®** Z100 Series is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a transparent transfer adhesive tape specially intended for applications on MSE substrates like PC-ABS, ASA or anodized aluminum without pre-treatment of the surfaces. The white PE-paper liner is also suitable for automatic applications and shows good die-cutting properties. This tape is characterized by short-term adhesion build and a balanced performance between high peel and high shear strength. It is available in rolls, spools and die-cuts.

**Norbond** Z100 Series is specially intended to provide the following features:

- Good resistance against environmental influences
- Enhanced short-term adhesion build
- Excellent adhesion on a variety of automotive paint systems
- Balanced performance between high peel and high shear strength

### Available Sizes

- Standard thickness: 100 µm
- Master roll size: 800 mm × 150 m (logs)
- Spools, die-cuts and other dimensions available upon request



### TYPICAL APPLICATIONS

- Foam laminations
- Metal and plastic laminations
- Mounting sealing and weatherstrips to trim parts
- Bonding in the automotive sector

**Norbond Z100 Series Test Data**

Performance tests are run using standard test procedures. The values presented are typical values and should not be used for specification purposes.

	Thickness	90° Peel Adhesion <sup>1</sup> (3-day dwell)				Static Shear <sup>2</sup>	Service Temperature	
		Without Liner	Glass	Aluminum	Stainless Steel			PMMA
		µm	N/25 mm	N/25 mm	N/25 mm	N/25 mm		N/625 mm <sup>2</sup>
<b>Z101</b>	100	27	23	23	25	5	-40°C to 130°C 160°C to short term	

<sup>1</sup> In accordance to AFERA 5001

<sup>2</sup> In accordance to AFERA 5012 at 80°C, 7 days, 500 g.

**Important Instructions**

- It is not possible for **Saint-Gobain** to foresee or monitor every application of our products. We therefore strongly recommend that the product is tested under the respective application conditions before commercial use.
- The surfaces to be bonded to must be clean, dry and free of oil, grease, dust and dirt. We recommend cleaning with isopropyl alcohol.
- Apply adhesive tape with uniform pressure of 100-150 kPa to ensure good contact between the tape and the material to be bonded. The application temperature should be between 15°C and 40°C. It is not recommended to use below 15°C as the adhesive is too strong at low temperatures and may not bond optimally.
- Adhesive strength builds up slowly after application, and final adhesion is typically achieved after 72 hours. Adhesive build up can be accelerated by heating to above 40°C.
- The values listed in the data sheet are average values. The values are not binding, do not constitute a guarantee and are therefore not intended for technical specifications.
- Unless specifically negotiated, we reserve the right to use raw material from more than one source whilst maintaining a commercial match within the terms of this data sheet.

**Applications**

Shelf life: Up to 12 months after purchase when stored in the original packaging under temperatures up to 21°C and 50% relative humidity. Avoid direct sunlight and large temperature fluctuations.

**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.

**WARRANTY:** This document should not be considered a warranty or a guarantee. The descriptions of the Product provided hereinabove may vary based on specifications requested and testing protocols. Typically, Saint-Gobain warrants that product(s) will meet mutually agreed specifications at delivery and Saint-Gobain honors any breach of warranty claims for six (6) months from delivery of the products. If a product is determined to be nonconforming with its warranty, Saint-Gobain’s sole obligation is, at its option, to either replace the nonconforming products or reimburse the purchase price for the same.

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 DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE.

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