

EV160

Article number: 6704

Saint-Gobain® Norbond® EV160 is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a transparent transfer adhesive tape. The flexible adhesive film used is durable, pressure sensitive and guarantees a highly durable bond to high-energy materials such as polymer-based foams, inorganic fiber/mica laminates and ceramic.

The strength of the bond increases with the bonding time and reaches very high values.

Features/Benefits

- Outstanding shear strength
- Exceptional adhesion on polar substrates
- Excellent resistance to aging, weathering and temperature
- Manufactured with solvent-free curing technology

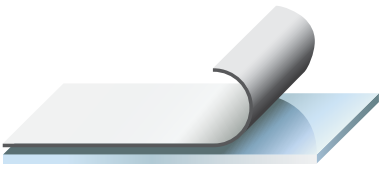
Tape construction

The following specifications are **Norbond** standard materials and thicknesses.



APPLICATIONS

- EV battery cell bonding

		Material	Color	Thickness
 <p>Total thickness: 0,060 mm</p>	Liner	PE-paper	White	0,120 mm
	Adhesive	Pure acrylic	Transparent	0,060 mm
	Carrier	-	-	-
	Adhesive	-	-	-
	Liner	-	-	-



Available sizes

The following information is the **Norbond** standard log size:

- 515 mm width, 250 linear meter
- Other roll dimensions are available on request.

Technical data

All tests were performed under standard test conditions. The values given here are typical values and should not be used for specification purposes.

Characteristics	Test method	In accordance to	Value
180° peel adhesion on steel at 20°C		AFERA 5001	20 N/25mm
Static shear strength at 20°C		AFERA 5012	60 N/625mm ²
Operating temperature range	-	-	-40°C to +150°C
Short-term temperature application range	-	-	Up to +200°C

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.
- 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.
- 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.

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 twelve (12) 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.

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