

UNILINK 4416 H+

Article number: 3444


Saint-Gobain® Biolink® unilink 4416 h+ is manufactured by **Saint-Gobain** Performance Plastics Corporation, Tape Solutions business, and comes with a white, double-sided adhesive tape.

The modified acrylic adhesive is durable, pressure sensitive and offers high adhesive strength on low and high energy surfaces. The carrier film guarantees very good distortion stability and enables dimensional stabilization of the materials to be bonded.

Features/Benefits

- Good processability
- Optimal balance between adhesion and cohesion
- Good resistance to aging, weathering and temperature

Tape construction



	Material	Color	Thickness
Liner	Silicone paper	White	0,080 mm
Adhesive	Modified acrylic	Transparent	0,045 mm
Carrier	Polyester film	White	0,050 mm
Adhesive	Modified acrylic	Transparent	0,045 mm
Liner	-	-	-

Total thickness: 0,140 mm



APPLICATIONS

- Universal mounting and lamination tape, suitable for wide range of applications



Standard roll size

- 1270 mm width, 250 linear meter

Other roll dimensions as well as finished die-cuts and spools 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	LS: 24 N/25mm
			OS: 24 N/25mm
Static shear strength at 20°C		AFERA 5012	LS: 45 N/625mm ²
			OS: 45 N/625mm ²
Operating temperature range	-	-	-40°C to +120°C
Short-term temperature application range	-	-	Up to +150°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.

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