

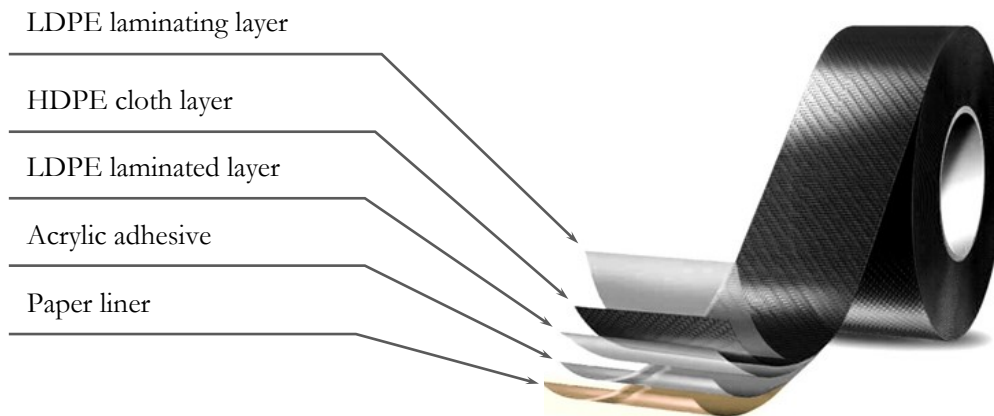


## Rubber Sheet Bonding Tape

### 1. Product Description

Nichigo G-Tape 3045BK is a single sided tape built with a laminated polyethylene cloth and proprietary acrylic adhesive. This tape has superior physical properties and easy handlings. 3045BK is designed to adhere strong on rubbers.

### 2. Composition



### 3. Key Features

- Meets AAMA 711-13; Type A (without primer), Level 3 (exposure up to 176°F) and AC 148
- Easy to tear by hands straight: No cutting tool is required
- Scrap-less: face to face contact of adhesive separates without damaging the adhesive
- Repositionable - no wrinkles when applied
- Excellent adhesion to rubber (ex. ethylene propylene diene (EPDM) rubber)
- High static shear to rubber

### 4. Typical Properties

Content	Unit	Value	Test method
Thickness	mil (mm)	9.4 (0.24)	PSTC 133
Peel Adhesion	oz/in (N/cm)	164 (18)	PSTC 101
Shear Adhesion (@104°F)	mil (mm)	16 (0.4)	PSTC 107
Breaking Strength	lb/in (N/cm)	46 (80)	PSTC 131
Elongation	%	15	PSTC 131
Temperature use range	°F	-40 to 200	MCC method

**Note:** Typical values, not for specification or guarantee purpose

## 5. Characteristics

- ✓ Waterproof
- ✓ High UV and weather resistance
- ✓ Wide application temperature range
- ✓ High dimension stability
- ✓ High chemical and solvent resistance
- ✓ High abrasion resistance

## 6. Application Ideas

- Seaming various rubber sheets
- Repairing rubber component
- Long term outdoor uses
- Replacement for asphalt tape and/or butyl tape

## 7. Further Technical Information

- Before using, please test a small piece to confirm any problems on the surface.
- Some additives in PVC may soften adhesive layer over time. This may cause adhesive residue.
- G-Tape may leave residue on some natural stones or change in quality of surfaces.
- An effective residue remover is a 91% IPA (isopropyl alcohol) available pharmacies.
- G-Tape may peel off surfaces of delicate materials or old coatings.
- Use only on clean, dry surfaces.
- For best performance, use within 1 year after purchase.
- Store in a dark, cool place.

## 8. Cautions

- DO NOT use as an electrical insulation tape.
- Avoid prolonged contact with skin. May cause irritation.
- Variety of factors may impart the performance of Nichigo G-Tape. Before use, please test internal method or application.

## 9. Limitation of Remedy and Liability

Replace of the product or refund of the purchase price, at the purchase price, at our opinion, shall be your exclusive remedy. We will not be liable for any loss or damage arising from this product, whether direct, indirect, special, incidental, or consequential.

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## Appendix – AAMA Performance Test Result

Content		Unit	Value	Test method
Tensile strength		psi	51,510	ASTM D412
Water penetration resistance	Initial	n/a	No leakage	ASTM D1970 Mod.
	After thermal cycling	n/a	No leakage	ASTM D1970 Mod.
OSB (APA Exposure 1)		lbf/in	4.0	ASTM D3330
Anodized aluminum		lbf/in	10.3	ASTM D3330
90° Peel adhesion	Vinyl siding	lbf/in	4.5	ASTM D3330
	Plywood (APA Exposure 1)	lbf/in	5.8	ASTM D3330
	Itself (Facing material)	lbf/in	-	ASTM D3330
Accelerated aging with ultraviolet light exposure		lbf/in	8.4	ASTM D3330
Elevated temperature exposure		lbf/in	7.4	ASTM D3330
Thermal cycling		lbf/in	9.6	ASTM D3330
Cold temperature pliability		n/a	No cracking	ASTM D1970
Adhesion after water immersion	Initial	lbf/in	9.6	ASTM D3330
	After immersion	lbf/in	9.5	ASTM D3330
Resistance to peeling from itself		n/a	Pass	AAMA 711

**Note:** Typical values, not for specification or guarantee purpose

## Appendix

### Peel adhesion and share adhesion on various adherend

	Content	Unit	Value	Test method
Peel adhesion	Stainless Steel	lbf/in	10.3	PSTC 107
	PE	lbf/in	3.4	PSTC 107
	EPDM	lbf/in	1.9	PSTC 107
	IIR	lbf/in	2.0	PSTC 107
	CR	lbf/in	5.7	PSTC 107
	SBR	lbf/in	6.2	PSTC 107
	NR	lbf/in	3.2.	PSTC 107
	OSB	lbf/in	1.3	PSTC 107
Share adhesion (@40°C)	Stainless Steel	mil	16	PSTC 107
	EPDM	min.	247	PSTC 107
	IIR	min.	347	PSTC 107
	CR	min.	67	PSTC 107
	SBR	mil	28	PSTC 107
	NR	min.	240	PSTC 107

**Note:** Typical values, not for specification or guarantee purpose

PE : Polyethylene, EPDM : Ethylene-Propylene-Diene-Monomer Rubber,

IIR : Isobutylene-Isoprene Rubber, CR : Chloroprene Rubber,

SBR : Styrene-Butadiene Rubber, NR : Natural Rubber,

OSB : Oriented Strand Board