

1 Alpha-Tape ABS® – General

Alpha-Tape® ABS edge bandings are thermoplastic edgings developed for the decorative finishing of panels. They have a protective as well as a design function.

2 Edge properties

Alpha-Tape® ABS edge bandings are back side coated with a primer. They can be processed with the current adhesives based on EVA, PUR and APAO. For the processing with PO/PP-hotmelt-adhesives we deeply recommend to contact our application technology as general statement on applicability of these groups of adhesives is not possible. Please pay attention to the processing instructions of your adhesive supplier with special respect to processing temperature and amount of adhesive.

3 Delivery program

Design

UN Plain colors non coated

UL Plain colors coated

HR Decors coated

Profile type

Alpha-Tape® ABS	Width	Thickness
KB Edge banding	<u>12.0 - 60.0 mm</u> <u>60.0 - 105.0 mm</u>	<u>0.40 - 4.00 mm</u> <u>0.40 - 2.00 mm</u>
SR Jumbo Roll (for slitting)	<u>405.0 mm</u>	<u>0.40 - 4.00 mm</u>
DM Through-grains	<u>12.0 - 95.0 mm</u>	<u>2.00 - 4.00 mm</u>

4 Limits

Thickness			Width		
	Lower limit	Upper limit		Lower limit	Upper limit
0.40 - 0.80 mm	- 0.05 mm	+ 0.05 mm	12.0 - 405.0 mm	- 0.20 mm	+0.50 mm
0.90 - 1.00 mm	- 0.15 mm	+ 0.10 mm			
1.10 - 1.60 mm	- 0.20 mm	+ 0.10 mm			
1.70 - 2.00 mm	- 0.25 mm	+ 0.05 mm			
2.10 - 4.00 mm	- 0.30 mm	+ 0.05 mm			

5 Level parallelism

All available widths	< 0.10 mm
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6 Pre-tension

Width < 60 mm	0.00 - 0.35 mm
Width > = 60 mm	> 0.10 mm

7 Longitudinal deformation

All available widths and lengths	< 3.0 mm / 1m
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8 Color¹

Alpha-Tape® ABS				
<u>UN</u> uncoated				
<u>UL</u> coated	L - value	C - value	Spectra magic	Limits
White colors	> 90	< 5	Delta E	0.5
Medium colors	70 - 90	< 60	Delta E	0.8
Dark colors	30 - 70	< 40	Delta E	1.5

¹ According to CIE Lab

Technical data sheet

9 Gloss ²

Alpha-Tape® ABS

UL ³ coated

HR Decors

Gloss Scale

Limits

5° - 30°
31° - 70°

- 2 / + 5
± 5

² Measuring angle 60°

³ UN: No fixing of gloss level possible

10 Processing on CNC machine center

In order to find the suitable Alpha-Tape® edging for your required radii application, please contact SSI North America. For certain radii we offer a special ABS-CNC-version. We are looking forward in assisting you and helping optimize the machine settings / parameters.

11 Properties

Alpha-Tape® ABS

Value

Standard for testing

Fastness to light

> 6

ISO 4892-2

Softening point

~ 95°C

ISO 306

Shrinkage

< 1.0%

MKT standard

Hardness

~ 73

DIN ISO 7619-1

Scratch resistance (Erichsen Test 318 No. 1) ⁴

4 - 6 N

MKT standard

Chemical resistance ⁵

1 B

DIN 68861, Pt. 1 (LGA tested)

⁴ Not Valid for UN uncoate

⁵ Exception: acetone, etyl-butylacetate

12 Cleaning

For cleaning Alpha-Tape® ABS bandings MKT recommends special plastic cleaning agents. First test on a small sample. Never use alcohol-based or solvent-based cleaners.

13 Storage conditions

Stored under proper conditions - on a dry and cool place (<30°C), protected from direct sunlight and dust, Alpha-Tape® **ABS** edge bandings are applicable for a minimum period of one year.

Information and advice for application, if orally, in writing or by tests, are to the best of our knowledge, however, are not binding, especially in view of possible third party trade mark rights. Consultation with us does not exempt you from executing your own testing for the planned methods and purposes. Application, use and processing of our products, as well as your manufacturing of final goods following our advice are beyond our control, and thus, lie solely in your responsibility. The sale of our products is carried out according to our general commercial terms and conditions. Indicated data serve for orientation only. They do not represent any specification, nor give warranty for edge banding characteristics.



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