



QUALIFICATION

Ref.: CT-FC-ID-02010

Product: IDENTIFICATION TAPE Manufacturer: BRADY W. H. NV

Airbus España S.L. is ready to qualify the following product(s) which you manufacture, after receiving the present form duly filled in and signed as a sign of acceptance of the requirements indicated in the following Standard/Technical Data Sheet.

Standard/Technical Data Sheet ABS5342 Issue 1 (12/02)

Airbus Designation ABS5342A XX YY
XX : Type Code YY : Colour Code

Manufac. Designation B-437 TYX YY
X : Type Code YY : Colour Code

Manufacturing Plant: Lindestraat 20 - 9240 ZELE (BELGIUM) - CAGE CODE: B0969

Signing of this document commits the Manufacturer not to modify the materials and/or manufacturing processes as well as the Manufacturing Plant of the product to be qualified, without prior approval by Airbus España, who reserve the right to request the total or partial repetition of the qualification.

The moment you confirm your agreement on this point, your company shall figure as manufacturer of the aforementioned product in the list of products qualified by Airbus España.

Standardisation
Materials & Processes - IESW

Manufacturer's acceptance

Name: E. Redondo

Signature:

Date

4/12/02

Position held: Operative Manager

Name:

Bart Van der Vliet

Signature:

Date:

2/12/02

PLEASE RETURN SIGNED ORIGINAL TO:

Airbus España S.L. - Subdirección I+D.T.M.
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**Identification Tape
Pressure Sensitive Adhesive**

Published and distributed by:
AIRBUS INDUSTRIE
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FRANCE

1 Scope and field of application

This standard specifies the required characteristics, dimensions and tolerances of a pressure sensitive adhesive tape with adhesive side to liner (liner is discarded when tape is installed), used among other applications to position the hardness with regard the aircraft structure.

2 Normative references

This Airbus standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any these publications apply to this Airbus standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applied.

ABS0777	General technical specification for standard parts.
AIPS 07-01-012	Shielded overbraiding of electrical harnesses
ASTM D1000	Standard test method for pressure-sensitive adhesive-coated tapes used for electrical and electronic applications.
ASTM D2979	Standard test method for pressure-sensitive tack of adhesives using an inverted probe machine.
DAN 95	Foil; polyvinylfluoride (PVF)
EN2424	Marking of Aerospace Products.
MIL-STD-104	Limit for electrical insulation colour.

3 Required characteristics

3.1 Classification

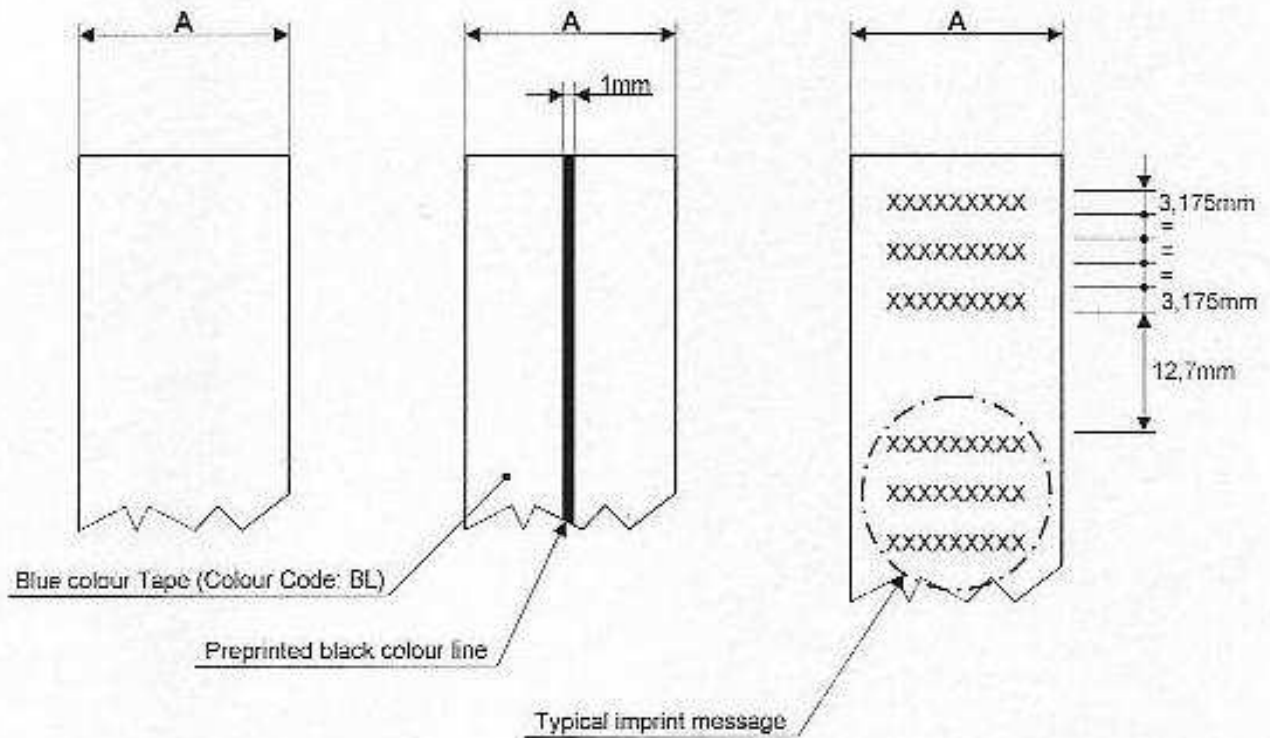
The identification tapes as per this specification, shall be of the following types (see Table 1):

Table 1: Classification

TYPE		
	1	Tape with liner
	2	Preprinted blue tape with liner and black central vertical line
	3	Preprinted tape with liner "TIP CLAMP"
	4	Preprinted tape with liner "CRITICAL BREAKOUT LOCATION"

3.2 Configuration, Dimensions, Tolerances and Masses

In accordance with Figure 1 and Table 2:



Type 1

Type 2

(With imprint central line)

Types 3¹⁾ and 4¹⁾

(With typical imprint message)

1) Preprinted labels shall be as per paragraph 3.9.

Figure 1 – Configuration

Table 2: Dimensions, Tolerances and Masses

Size Code	Type	Width ± 1,5 mm A (mm)	Total thickness ± 0,01 mm s (mm)	Roll Length (m)	Mass (g/m)	Colour
01	1	19,05	0,091	55	4,25	(See § 3.5)
02	2					Blue (Colour code: BL)
03	3					(See § 3.5)
04	4					(See § 3.5)

3.3 Material

In accordance with Table 3.

Table 3: Material

Material Code	Tape	Adhesive	Use
A	Polyvinylfluoride, PVF (as per DAN95)	Acrylic pressure sensitive	General

3.3.1 Adhesive properties

In accordance with Table 4.

Table 4: Adhesive properties

Properties	Units	Adhesive Acrylic
Thickness (as per ASTM D 1000)	mm	0,025
Adhesion to Stainless Steel (as per ASTM D1000)	20 minute dwell	N/100 mm
	24 hour dwell	N/100 mm
Tack (as per ASM D2979) 1 second dwell, 1 cm/sec separation	g	800

3.4 Operating temperature range

-55°C to 135°C.

3.5 Colour (as per MIL-STD-104)

In accordance with Table 5.

Table 5: Colour

Colour Code	Tape colour
WT	White
YL	Yellow
OR	Orange
RD	Red
BL	Blue
GR	Green
WP	White/Purple *

*) Second colour listed is the colour of a 6,35 mm border along both edges

3.6 Dielectric strength (as per ASTM D1000)

5000 V.

3.7 Flammability (as per ASTM D1000)

Average burn time: < 10 seconds.

3.8 Chemical resistance

In accordance with Table 6.

Table 6: Chemical resistance

Chemical reagent	Effect to label stock		Printed with R2000 ribbon		Printed with R5000 ribbon	
	15 min ¹⁾	24 hour ²⁾	15 min ¹⁾	24 hour ²⁾	15 min ¹⁾	24 hour ²⁾
Methyl ethyl ketone	5)	13)	7)	18)	7)	9)
1, 1, 1 – Trichloroethane	5)	14)	7)	12)	7)	12)
Isopropyl alcohol	3)	3)	6)	6)	6)	6)
Methyl alcohol	3)	15)	6)	6)	6)	11)
Gasoline	4)	16)	7)	10)	7)	10)
JP-8 Jet Fuel	3)	3)	6)	6)	6)	6)
Mineral spirits	3)	3)	6)	6)	6)	6)
MIL-H5606 Oil	3)	17)	6)	6)	6)	6)
SKYDROL 500B-4	4)	4)	7)	7)	7)	7)
Deionized water	3)	3)	6)	6)	6)	6)
5% ALCONOX detergent	3)	3)	6)	6)	6)	6)
10% Sodium hydroxide	3)	8)	6)	9)	6)	9)
10% Sulfuric acid solution	3)	3)	6)	6)	6)	6)

- 1) 15 minute immersion in the specified test fluid, at room temperature, followed by rubbing on print 10 times with cotton swab saturated with test fluid.
- 2) 24 hours immersion in the specified test fluid, at room temperature, followed by rubbing on print 10 times with cotton swab saturated with test fluid.
- 3) No visible effect.
- 4) Slight adhesive ooze.
- 5) Slight adhesive ooze and slight colour fade on yellow with immersion.
- 6) No visible effect with or without rub.
- 7) No visible effect to print without rub, moderate print smear with rub.
- 8) Moderate to severe topcoat discoloration or fade on all colours.
- 9) Complete print and topcoat removal with rub.
- 10) No visible effect without rub, slight print removal with rub.
- 11) Slight print fade with immersion, no effect with rub.
- 12) Print fade after immersion, slight print removal with rub.
- 13) Softening of adhesive. No to severe topcoat fade depending on colour:
 Yellow and green labels had moderate to severe fade or discoloration in this solvent, all other labels had no visible effect unless mentioned. Overall the green topcoat had slight to severe discoloration in this chemical reagent.
- 14) Slight adhesive ooze. No to severe topcoat fade depending on colour:
 Yellow and green labels had moderate to severe fade or discoloration in this solvent, all other labels had no visible effect unless mentioned. Overall the green topcoat had slight to severe discoloration in this chemical reagent.
- 15) Slight discoloration of green topcoat.
- 16) Slight adhesive ooze and topcoat discoloration on white label.
- 17) Slight topcoat discoloration on white label.
- 18) Print degradation with immersion, complete print and topcoat removal with rub.

3.9 Construction of preprinted labels (Types 3 and 4)

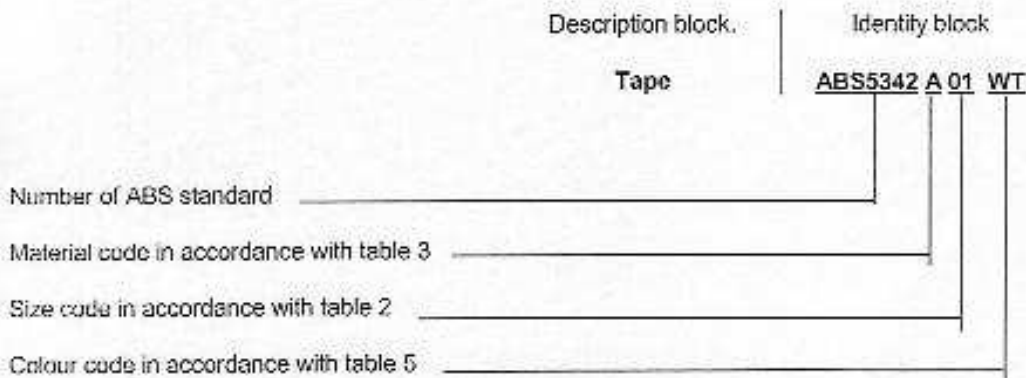
In accordance with Table 7.

Table 7: Construction of preprinted labels (Types 3 and 4)

Type	3	4	
Imprint message	1 st Line	TIP	CRITICAL
	2 nd Line	CLAMP	BEAKOUT
	3 rd Line	---	LOCATION
All printing:			
- Permanent black			
- All caps, 3,175 mm high, Gothic, Orator Style or equivalent, 8 to 15 pitch			
- Each line centered			
- 3,175 mm spacing between lines			
- 12,7 mm spacing between message repeat			
Tolerances: ± 1,5 mm			

4 Designation

Each pressure sensitive tape shall only be designated as in the following example:



5 Marking

In accordance with EN2424 Style A and additionally the manufacturer's Part-No. and date of Manufacturer with stamp on roll.

6 Technical specification

In accordance with ABS0777.

RECORD OF REVISIONS

Issue	Clause modified	Description of modification
1 07/02	---	New Standard
1/Draft2 06/02	Table 1	Add uses for Class A and B
	Table 3	Trade names deleted
	para. 3.5	New paragraph
1/Draft3 07/02	--	Full revision
1/Draft4 10/02	--	Full revision

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STANDARD REF.	W.H. BRADY Co. REF.
ABS5342A01XX ^(*)	B637TY1YY ^(*)
ABS5342A02BL	B637TY2BLUE
ABS5342A03XX ^(*)	B637TY3YY ^(*)
ABS5342A04XX ^(*)	B637TY4YY ^(*)

^(*) Colour Code as per Table 5

^(**) Tape Colour as per Table 5

QUALIFIED SUPPLIERS: BRADY W.H. NV
CAGE (FSCM) NSCM CODE: B0969

NOTE: THE SUPPLIERS LISTED IN THE ANNEX SHEET ARE GIVEN FOR REFERENCE ONLY. AIRBUS INDUSTRIE QUALIFICATION FOR THESE SUPPLIERS MAY BE LIMITED WITH RESPECT OF THE RANGE OF THE PARTS DEFINED IN THE STANDARD. THE OFFICIAL AIRBUS INDUSTRIE QUALIFIED SUPPLIED INFORMATION CONTAINED IN THE SM PART 3 SHALL THEREFORE PREVAIL IN ALL CASES

Approved TF3-WG Chairman	ANNEX SHEET QUALIFIED SUPPLIERS AND PROPRIETARY PARTS		Classification	
			ABS5342	
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