

**304 Stainless Steel Cable Tags**

TDS No. B-7304  
Effective Date: 10/23/2013

**Description:**

Brady B-7304 stainless steel cable tags are designed for labeling pipes, cables and wire bundles in harsh environments.

**Details:**

**Use:**

Brady B-7304 is for use in labeling pipes, cables and wire bundles in harsh environments. Tags are to be attached using stainless steel cable ties that can be purchased separately.

**Special Properties:**

Brady B-7304 can be laser etched or embossed for printed legends that are extremely durable.

**Material Type:**

304 Stainless Steel

**Thickness (PSTC-133):**

0.020 in. (0.500 mm)

**Service Temperature:**

-112°F to 1500°F (-80°C to 815°C)

Performance properties tested on B-7304 laser etched and embossed. Unless otherwise noted results are for both printing methods.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Boiling Water Resistance	Tag soaked in boiling H2O for 1 hour	Slight amount of rust visible
Liquid Nitrogen Resistance	Tag dipped in Liquid N2 for 20 minutes	No visible effect
Flame Resistance	Tag heated to cherry red	Tag discolored but still legible
Thermal Cycle Resistance	Tag heated to cherry red then dipped in Liquid N2	Tag discolored but still legible

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
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Samples were marked by laser etching and embossing. Testing was conducted at room temperature. Unless otherwise noted results apply for both marking types.

REAGENT	7 DAY IMMERSION	24 HOUR IMMERSION	1 HOUR IMMERSION
Gasoline	slight rust but legible	slight rust but legible	slight/moderate rust but legible
Water	moderate rust but legible	slight rust but legible	slight rust but legible
MEK	slight rust but legible	slight rust but legible	slight rust but legible
Mineral Spirits	NE	NE	NE
Xylene	NE	NE	NE
Acetone	slight rust but legible	slight rust but legible	slight rust but legible
Skydrol® 500B-4	slight rust but legible	slight rust but legible	slight rust but legible
Ethanol	slight rust but legible	slight rust but legible	NE
IPA	slight rust but legible	slight rust but legible	NE
Motor Oil	NE	NE	NE
37% HCl	tag dissolved	tag dissolved	severe rust print is illegible
50% H <sub>2</sub> SO <sub>4</sub>	severe rust but legible	severe rust but legible	severe rust but legible
Acetic Acid	severe rust illegible	severe rust but legible	moderate/severe rust but legible
25% NaOH	slight rust but legible	slight rust but legible	slight rust but legible
20% Ammonium Hydroxide	slight rust but legible	slight rust but legible	slight rust but legible

NE = No Effect  
NT = Not Tested  
F = Failed (affected sample)

Product testing, customer feedback, and history of similar products, support a customer performance expectation of at least 5 years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80°F (27°C) and 60% RH . We are confident that our product will perform well beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customers to develop functional testing protocols that will qualify a product's fitness for use, in their actual applications.

**Trademarks:**

Skydrol® is a registered trademark of Solutia Inc.  
Sunlighter™ is a trademark of the Test Lab Apparatus Company  
Weather-Ometer® is a registered trademark of Atlas Material Testing Technology LLC

**Note:** All values shown are averages and should not be used for specification purposes. Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

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