
BRADY
"WHEN PERFORMANCE MATTERS MOST"

Low Service Temperature	30 days at -40°F (-40°C)	No visible effect
Humidity Resistance	30 days at 100°F (38°C), 95% R.H.	Topcoat appears more clothlike. No visible effect on print quality.
UV Light Resistance	30 days in UV Sunlighter™ 100	No visible effect
Weatherability*	ASTM G155, Cycle 1 30 days in Xenon Arc Weatherometer	Topcoat appears more clothlike. Some edge lift on flat panel samples. No lift on wrapped wiremarkers. No visible effect on print quality.
Salt Fog Resistance	ASTM B117 30 days in 5% salt fog solution chamber	Topcoat appears more clothlike. Slight edge lift on flat panel samples. No lift on wrapped wiremarkers. No visible effect on print quality.
Abrasion Resistance	Fed. Std. 191A, Method 5306 Taber Abraser, CS-10 grinding wheels, 250 g/arm	Moderate print removal after 100 cycles. Print still legible.

*Not intended for extended, direct exposure to outdoor weathering.

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE

Samples of white were printed with the Series R6200 ribbon, laminated to flat aluminum panels and wrapped around 0.080" OD TFE jacketed wire, and allowed to dwell 24 hours prior to test. Testing consists of 5 cycles of 10 minute immersions in the specified chemicals followed by 30 minute recovery periods. After the final immersion the flat samples were rubbed with cotton swabs. Testing was conducted at room temperature except where noted.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE	
CLEANERS & SOLVENTS	**APPEARANCE OF WIREMARKER**	**APPEARANCE OF R6200 PRINT**
Northwoods™ Buzz Saw Degreaser	No visible effect	No visible effect
Formula 409®	No visible effect	No visible effect
Acetone	Slight unwrap, topcoat removed, slight adhesive ooze	Topcoat removed, print removed
Toluene	Severe unwrap, topcoat removed, adhesive ooze	Topcoat removed, print removed
Isopropyl Alcohol	Severe unwrap	No visible effect
Mineral Spirits	Severe unwrap, moderate adhesive ooze	No visible effect
Deionized Water	No visible effect	No visible effect
FUELS, OILS, & LUBRICANTS	**APPEARANCE OF WIREMARKER**	**APPEARANCE OF R6200 PRINT**
Gasoline	Moderate unwrap, some adhesive ooze	No visible effect w/o rub, moderate print smear when rubbed
Brake Fluid	Slight unwrap	No visible effect w/o rub, severe print smear when rubbed
SAE 20 WT Motor Oil @ 70°C	No visible effect	No visible effect
Ideal Yellow 77® Wire Pulling Lubricant	No visible effect	No visible effect
AEROSPACE RELATED FLUIDS	**APPEARANCE OF WIREMARKER**	**APPEARANCE OF R6200 PRINT**
JP-8 Jet Fuel	Severe unwrap, adhesive ooze	No visible effect
Skydrol® 500B-4	Slight unwrap, topcoat removed	Topcoat removed, print removed
Mil 5606 Oil	Slight unwrap, some adhesive ooze	No visible effect

Yellow and orange material - Printed black legend
CHEMICAL RESISTANCE
RUB, DIP, IMMERSION

B-498 Orange Reagent	Rub	Dip	Immersion	B-498 Yellow Reagent	Rub	Dip	Immersion
30% Sulfuric Acid	NE	NE	NE	30% Sulfuric Acid	NE	NE	NE
10% Sulfuric Acid	NE	NE	NE	10% Sulfuric Acid	NE	NE	NE

30% Hydrochloric acid	NE	NE	F	30% Hydrochloric acid	NE	NE	F
10% Hydrochloric acid	NE	NE	NE	10% Hydrochloric acid	NE	NE	NE
Glacial Acetic	F	NT	NT	Glacial Acetic	F	F	F
5% Acetic Acid	NE	NE	NE	5% Acetic Acid	NE	NE	F
50% Sodium Hydroxide	NE	F	NT	50% Sodium Hydroxide	NE	NE	F
10% Sodium Hydroxide	F	NT	NT	10% Sodium Hydroxide	NE	NE	F
10% Ammonia	NE	NE	NE	10% Ammonia	NE	NE	NE
5% Sodium Hypochlorite	NE	NE	F	5% Sodium Hypochlorite	NE	NE	NE
10% Sodium Chloride	NE	NE	NE	10% Sodium Chloride	NE	NE	F
MEK	F	NT	NT	MEK	F	F	F
Acetone	F	NT	NT	Acetone	F	F	F
Toluene	F	NT	NT	Toluene	F	F	F
Methanol	F	F	NT	Methanol	F	NE	F
IPA	F	NE	F	IPA	F	NE	F
Heptane	F	NE	F	Heptane	NE	NE	F
Mineral Spirits	F	NT	NT	Mineral Spirits	NE	NE	F
Turpentine	F	NT	NT	Turpentine	F	F	F
Diesel Fuel	NE	F	NT	Diesel Fuel	NE	NE	F
Kerosene	F	NT	NT	Kerosene	NE	NE	F
Gasoline	F	NE	NE	Gasoline	F	F	F
ASTM #3 Oil	NE	NE	NE	ASTM #3 Oil	NE	NE	NE
SAE 20 Oil	NE	NE	NE	SAE 20 Oil	NE	NE	F
Alconox®	NE	NE	NE	Alconox ®	NE	NE	F
Water	NE	NE	NE	Water	NE	NE	NE

NE = No Effect
F = Failed (affected sample)

7 Day Immersions: Immersed in reagent for 7 days
Dip Test: Five 10 minute dips in reagent with 30 minute recovery
Rub Test: Rubbed sample for 30 second with swab soaked in reagent

Product testing, customer feedback, and history of similar products support a customer performance expectation of at least ***two 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 degrees 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:
Formula 409® is a registered trademark of the Clorox Company
Northwoods™ is a trademark of the Superior Chemical Corporation.
Polyken™ is a trademark of Testing Machines Inc.
Skydrol® is a registered trademark of the Monsanto Company
Sunlighter™ is a trademark of the Test Lab Apparatus Company
Yellow 77® is a registered trademark of Ideal Industries,
Inc.
ASTM: American Society for Testing and Materials (U.S.A.)
SAE: Society of Automotive Engineers (U.S.A.)
S. I.: International System of Units
UL: Underwriters Laboratories Inc. (U.S.A.)

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.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

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Specification Of Thermal Transfer Printer Labels

Application(s):	Panel Identification, Through Hole - Top, Wire & Cable Marking
Agency Approval(s)/Compliance:	UL Recognized
Size:	1.000" W x 0.750" H (25.400 mm W x 19.050 mm H)
Printable Area:	1.000" W x 0.750" H (25.400 mm W x 19.050 mm H)
Web Width:	2.300" (58.42 mm)
Label Type/Style:	Label
Vertical Repeat:	0.875" (22.23 mm)
Horizontal Repeat:	1.100" (27.94 mm)
Color:	White
Finish:	Semi-Gloss
Qty Per Row:	2
Material Type:	Vinyl Cloth
Material Description:	Repositionable Vinyl Cloth
Brady Material #:	B-498
General ID Catalog:	pg. 27
Recommended Ribbon Series:	6000, 6200
Suggested Ribbon Part#:	R4302
Acceptable Ribbon Series:	4300, 4800
After Process:	Yes, this material will work with this application
Printer Compatibility:	BBP81, Brady 1244, Brady 1344, Brady 200MVP Plus, Brady 2461, Brady 300MVP Plus, Brady 300X-Plus II, Brady 3481, Brady 360X-Plus II, Brady 600X-Plus II, Brady 6441, Brady IP, Tagus T200, Tagus T300, Thermal Transfer Printers
Surface:	Smooth, Textured/Rough
Surface Mount Technology:	No, this material does not work with this application
Through Hole Technology:	Top: Yes. In extreme high temperatures, testing of this material is recommended, Bottom: No
Special Properties:	Repositionable
RoHS Compatibility:	Compliant with RoHS Directive. NOTE: All statements concerning RoHS Directive compliance refer to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC. Product compliance is based upon information provided by suppliers of the raw materials used by Brady to manufacture these products, or by independent laboratory testing of these products. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.
QTY/UOM:	5,000/Roll