

Drop Shear	PSTC-7 (except use 1/2" x 1" sample)	70 hours
Tensile Strength and Elongation	ASTM D 1000 -Machine -Cross	38 lbs/inch (665N/100 mm), 68% 56 lbs/inch (980N/100 mm), 46%
Dielectric Strength	ASTM D 1000	9000 volts
ELECTRICAL PROPERTIES	TEST METHODS	AVERAGE RESULTS
Surface Resistivity - Adhesive	EOS/ESD S11.11 -adhesive	5×10^8 ohms/sq.
Liner Surface Resistivity	EOS/ESD S11.11 - Release side - Backside	1.7×10^{10} ohms/sq 2.5×10^9 ohms/sq
Static Decay - Adhesive	EIA-541 to 1% of initial charge	0.01 seconds
Static Decay - Liner	EIA-541 to 1% of initial charge - Release side	0.2 seconds
Voltage (Label removed from liner, adhesive tested)	Value is obtained by removing a 1.5" x 0.25" label from liner and immediately holding label to a static sensing device calibrated in volts.	10 volts
Voltage (Label removed from liner, liner tested)	Value is obtained by removing a label from liner and immediately holding label to a static sensing device calibrated in volts.	3.4 volts

The following testing was performed with B-473 thermal transfer printed on a BradyPrinter™ THT 300X using a Brady Series R6000 ribbon. Labels printed with 3:1 ratio barcodes with 6 mil X dimension bars and alphanumerics. Samples laminated to aluminum panels and allowed to dwell 24 hours prior to testing.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Short Term High Service Temperature	5 minutes at 354°F (180°C)	No visible effect to label at 180°C. Slight film shrinkage at 190°C but label is still functional. At 210°C label has severe film shrinkage.
Long Term High Service Temperature	30 days at 248°F (120°C)	No visible effect at 120°C
Low Service Temperature	30 days at -40°F (-40°C)	No visible effect at -40°C
Humidity Resistance	30 days at 100°F (37°C) and 95% R.H.	No visible effect
UV Light Resistance	30 days in UV Sunlighter™ 100	No visible effect
Weatherability ¹	ASTM G155, Cycle 1 30 days in Xenon Arc Weatherometer	No visible effect
Salt Fog Resistance	ASTM B 117 30 days in 5% salt fog solution chamber	No visible effect

PERFORMANCE PROPERTY	CHEMICAL RESISTANCE
-----------------------------	----------------------------

Samples printed with Series R4900 and R6000 ribbons using a BradyPrinter™ Model 300X. Labels printed with 3:1 ratio barcodes with 6 mil narrow X dimension bars and alphanumerics. Test was conducted at room temperature after 24 hour dwell. Testing consisted of 5 cycles of 10 minute immersions in the specified chemicals followed by a 30 minute recovery period. Samples rubbed 10 times with cotton swab immersed in test fluid after final immersion.

CHEMICAL REAGENT	SUBJECTIVE OBSERVATION OF VISUAL CHANGE			
	LABEL STOCK	R4900	R6000	EFFECT OF COTTON SWAB RUBS
Methyl Ethyl Ketone	Slight adhesive ooze	No visible effect	No visible effect	Printing removed
1,1,1-Trichloroethane	Slight adhesive ooze	No visible effect	No visible effect	Printing removed
Toluene	Slight adhesive ooze	No visible effect	No visible effect	Printing removed
Freon® TMS	Slight adhesive ooze	No visible effect	No visible effect	No visible effect
Isopropyl Alcohol	No visible effect	No visible effect	No visible effect	No visible effect
Mineral Spirits	No visible effect	No visible effect	No visible effect	No visible effect
JP-4 Jet Fuel	No visible effect	No visible effect	No visible effect	No visible effect
Mil 5606 Oil	No visible effect	No visible effect	No visible effect	No visible effect
ASTM #3 Oil	No visible effect	No visible effect	No visible effect	No visible effect
Gasoline	Slight adhesive ooze	No visible effect	No visible effect	No visible effect
Skydrol® 500B-4	Slight adhesive ooze	No visible effect	No visible effect	Printing removed
Super Agitene®	No visible effect	No visible effect	No visible effect	No visible effect
Alphametals BIOACT® EC-7R™	Slight adhesive ooze	No visible effect	No visible effect	No visible effect
Deionized Water	No visible effect	No visible effect	No visible effect	No visible effect
3% Alconox® Detergent	No visible effect	No visible effect	No visible effect	No visible effect
10% Sodium Hydroxide Solution	No visible effect	No visible effect	No visible effect	No visible effect
10% Sulfuric Acid Solution	No visible effect	No visible effect	No visible effect	No visible effect

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:

- Alconox® is a registered trademark of Alconox Co.
- BIOACT® is a registered trademark of Petroferm, Inc.
- BradyPrinter™ is a trademark of Brady Worldwide, Inc.
- EC-7R™ is a trademark of Petroferm Inc.
- Freon® is a registered trademark of Du Pont de Nemours, E.I. and Company.
- 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
- Super Agitene® is a registered trademark of Graymills Corporation
- TLS2200® is a registered trademark of Brady Worldwide, Inc.
- ASTM: American Society for Testing and Materials (U.S.A.)
- EIA: Electronic Industry Association (U.S.A.)
- EOS/ESD: Electrical Overstress/Electrostatic Discharge (U.S.A.)

PSTC: Pressure Sensitive Tape Council (U.S.A.)
All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units.

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.

WARRANTY

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

Specification Of Thermal Transfer Printable Labels

Application(s):	Circuit Board & Component ID, Static Dissipative, Through Hole - Top
Agency	CSA Approved, ESD-approved for IEC 61340-5-1 and EN 100015-1, UL
Approval(s)/Compliance:	Recognized
Size:	1.500" W x 0.250" H (38.100 mm W x 6.350 mm H)
Printable Area:	1.500" W x 0.250" H (38.100 mm W x 6.350 mm H)
Web Width:	3.350" (85.09 mm)
Label Type/Style:	Label
Vertical Repeat:	0.350" (8.89 mm)
Horizontal Repeat:	1.650" (41.91 mm)
Color:	White
Finish:	Gloss
Qty Per Row:	2
Material Type:	Polyester
Material Description:	Static Dissipative Polyester
Brady Material #:	B-473
General ID Catalog:	pg. 29
Recommended Ribbon Series:	6000
Suggested Ribbon Part#:	R6002
Acceptable Ribbon Series:	6200, 4900
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
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:	Static dissipative adhesive & liner
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:	10,000/Roll

X-ON Electronics

Authorized Distributor

Click to view similar products for [Brady manufacturer](#).

Click to view products by [Brady manufacturer](#).

Other Similar products are found below :

[60338](#) [60543](#) [60900](#) [62680](#) [M7130483](#) [M71C2000595YL](#) [65886](#) [66271](#) [67063](#)

[PS10002WT](#) [PSPT375175YL](#) [PTL27426](#) [PTL4423](#) [PTS190350321](#) [R7300](#) [12517](#) [12520](#)

[DAT422921](#) [DAT435021](#) [132465](#) [132501](#) [131070](#) [133977](#) [134289](#) [134336](#)