

## Master Materials Chart

Brady Material #	Material	Color	Temp. Range	Print Technology	Properties & Applications
B-11	Polyester	White & Various	-40°F to 266°F (-40°C to 130°C)	Pre-Printed	Resistant to heat, oil, solvents. Roll-form wire markers. Environments containing heat, oil, or solvents.
B-12	Acetate Cloth	Beige	-20°F to 221°F (-29°C to 105°C)	Pre-Printed	Resistant to oil and heat. Wire marker for varnish dip or baking cycles.
B-103	Polyester	Clear	94°F to 266°F (-70°F to 130°C)	N.A.	1-mil low profile over-laminating film with a permanent acrylic adhesive designed to adhere to printable films. Withstands solder flux and cleaning/degreasing solvents. Supplied self-wound for in-line over laminating operations, or on a liner.
B-104	Polyimide	Clear/Amber	Up to 320°F (160°C)	N.A.	1-mil low profile over-laminating film with a permanent acrylic adhesive designed to adhere to printable films. Withstands solder flux and cleaning/degreasing solvents used in the manufacture of printed circuit boards, and has a very high temperature range. Supplied self-wound for in-line over-laminating operations, or on a liner.
B-107	Polyester	White	-40°F to 293°F (-40°C to 145°C)	Ink Jet	Resistant to solvents; smudge-resistant. High resolution; high-temperature performance. Applications requiring bar code printing, solvent or high temperature resistance. Recommended for use on topside of circuit boards and IC(s).
B-109	Polyethylene	White	-40°F to 120°F (-40°C to 49°C)	Dot Matrix Thermal Transfer TLS2200®	General-purpose tagging material with excellent tear- and chemical- resistance. Exhibits good weatherability, humidity resistance, and egibility after solvent exposure.
B-110	Saturated Paper	White	-40°F to 212°F (-40°C to 100°C)	Dot Matrix	Excellent conformability; resistant to water and humidity. Environments containing water, humidity. Ideal for temporary identification.
B-111	Polyester	Clear	-94°F to 230°F (-70°C to 110°C)	N.A.	Overlaminating film with acrylic adhesive designed to adhere to printable films. This self-wound overlaminate is available in single or 2 ply. The 2-ply is ideal for paint masking where the topside overlaminate is removed. Good temperature, chemical and abrasion resistance.
B-112	Polyester	Clear	-94°F to 212°F (-70°C to 100°C)	N.A.	Silicone free self-wound overlaminate with acrylic adhesive designed to adhere to printable films. Available in single or 2-ply. The 2-ply is ideal for paint masking where the topside overlaminate is removed. Excellent clarity, good temperature, chemical and abrasion resistance.
B-113	Paper	White	-40°F to 194°F (-40°C to 90°C)	Ink Jet	Permanent adhesive; smudge resistant; ink jet-printable. Applications requiring economical, general purpose label. Bar code-printable.
B-115	Vinyl Cloth	White	-40°F to 180°F (-40°C to 82°C)	Ink Jet	Resistant to oil, water, humidity. Excellent printability; ink jet-receptive coating. Applications requiring general-purpose permanent or temporary labeling, wire marking or marking with printable or write-on properties. Leaves no adhesive residue when removed - good EPROM label.
B-117	Vinyl	Clear/White	-40°F to 158°F (-40°C to 70°C)	Ink Jet	Self laminating wire and cable marking. Excellent abrasion and smudge resistance.
B-121	Paper	White	-40°F to 158°F (-40°C to 70°C)	Dot Matrix	Removable adhesive; smudge-resistant. Applications requiring inexpensive, removable labels such as inventory or maintenance labels.
B-122	Paper	White	-40°F to 193°F (-40°C to 90°C)	Dot Matrix Pre-Printed	Low internal strength; printable. Applications requiring a label that cannot be removed intact.
B-124	Paper	Blue, Brown, Gray, Green, Orange, Purple, Red, White, Yellow	150°F (66°C) Maximum	Dot Matrix Laser	Designed for 110 terminal block marking.
B-139	Polyvinyl Fluoride (PVF)	Clear	-94°F to 230°F (-70°C to 110°C)	N.A.	Self-wound overlaminate with acrylic adhesive designed to adhere to printable films. This single layer laminate is specially developed for applications where resistance to UV light and outdoor weathering is required.
B-145	Polyethelene	Gray	N.A.	Thermal Transfer	Tear-resistant 2-sided printable tag
B-164	Metallized Polyester	Silver	-40°F to 267°F (-40°C to 130°C)	Dot Matrix	Modified metallized polyester resists shrinking at high temperatures. Resistant to flux and solvents used in the manufacture of printed circuit boards. Withstands 3 minutes in solder flux, or 2 minutes in 425°F flourinert. Ideal for identifying circuit boards and surface-mounted components.

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B-184	Aluminum Foil	Silver	-40°F to 266°F (-40°C to 130°C)	Pre-Printed	Dead soft aluminum foil with good conformability. Permanent debossing when marked. Resistant to heat, oil and solvents. Abrasion-resistant. Environments containing heat, oil or solvents; abrasive environments. Excellent for motor vehicles and outdoor wiring.
B-292	Vinyl	Clear/White	-40°F to 150°F (-40°C to 66°C)	Dot Matrix ID PRO® Plus LS2000	Good conformability, durability. Self-extinguishing; write-on surface. Resistant to oil, water, solvents. Environments containing oil, water or solvents. On-the-job marking. Excellent for machine tool and underground wiring. Outstanding flat ribbon cable marker. 
B-302	Polyester	White	-40°F to 230°F (-40°C to 110°C)	Pre-Printed	Surface printed white polyester with clear polyester overlamine.
B-319	Polyolefin	White	-40°F to 221°F (-40°C to 105°C)	Dot Matrix ID PRO Plus LS2000	Good legend permanence and smudge resistance. Applications requiring sleeve markers, computer-printable. Non heat-shrinkable.
B-321	Polyolefin	White	-65°F to 221°F (-54°C to 105°C)	Dot Matrix ID PRO Plus LS2000	Heat-shrinkable; excellent resistance to oil and solvents. Ink-receptive coating provides permanent legibility. Applications requiring sleeve markers, computer-printable.
B-322	Polyolefin	White or Yellow	-40°F to 221°F (-40°C to 105°C)	Dot Matrix ID PRO Plus LS2000	Heat-shrinkable; self-extinguishing, permanent legibility. Applications requiring self-extinguishing sleeve markers, computer-printable. Aerospace and military wire marking. Meets MIL-S-85848.
B-325	PVC Polyvinyl-chloride	Yellow	-40°F to 212°F (-40°C to 100°C)	Pre-Printed Omni-Grip®	Pre-printed full circle polyvinylchloride sleeves.
B-330	Polyolefin	White or Yellow	-40°F to 248°F (-40°C to 120°C)	Dot Matrix	Heat-shrinkable polyolefin film with a computer-printable topcoat and a heat-activating adhesive. Identification of wire bundles, large conduits and installed cables.
B-341	Polyolefin	White or Yellow	-67°F to 275°F (-55°C to 135°C)	Dot Matrix Thermal Transfer	2-to-1 shrink ratio self-extinguishing; meets the material and physical property requirements of MIL-DTL-23053/5C (Class 1); MIL-M-81531; MIL-STD-202F; method 215 and UL224.
B-342	Polyolefin	White	-67°F to 275°F (-55°C to 135°C)	Dot Matrix Thermal Transfer ID PRO Plus LS2000, TLS2200®	3-to-1 shrink ratio self-extinguishing; meets the material and physical property requirements of MIL-DTL-23053/5C (class 1); MIL-M-81531; MIL-STD-202F; method 215 and UL 224
B-350	Polyester/Paper Laminate	White	-94°F to 194°F (-70°C to 90°C)	Pre-Printed Thermal Transfer	Provides clear evidence of exposure to water for controlling invalid warranty claims, failure analysis or troubleshooting (service and repair).
B-351	Vinyl	White	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer	Tamper-resistant film with a permanent acrylic adhesive. Good resistance to solvents and humidity. Designed to fracture easily to prevent one-piece removal.
B-352	Metallized Vinyl	Silver	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer	Tamper-resistant metallized film. Good resistance to solvents and humidity. Designed to fracture easily to prevent one-piece removal. 
B-354	Water-Indicating Polyester/Paper Laminate	Gloss White	-94°F to 194°F (-70°C to 90°C)	Thermal Transfer	Provides clear evidence of exposure to water for controlling invalid warranty claims, failure analysis or troubleshooting (service and repair). Standard color change is white to blue. For special high volume applications, available in custom indicating colors and/or designs 
B-358	Acetate	Gloss Clear	-40°F to 175°F (-40°C to 80°C)	Thermal Transfer	Tamper resistant film with a permanent acrylic adhesive. Designed to fracture easily when removal is attempted. For use as package seals / closures.
B-359	Acetate	Gloss White	-40°F to 175°F (-40°C to 80°C)	Thermal Transfer	Tamper resistant film with a permanent acrylic adhesive. Designed to fracture easily when removal is attempted. For use as package seals / closures.
B-361	Polyester	Clear/White	-94°F to 230°F (-70°C to 110°C)	Laser	Flexible, clear and conformable. Permanent adhesion within 24 hours. Self-laminating wire, cable and vial markers used in power plants and laboratories. Low halogen and sulfur content.
B-389	Polypropylene	White	-40°F to 221°F (-40°C to 100°C)	Dot Matrix	Printable rigid inserts designed to be affixed to a wire.

 \*These materials are UL recognized.

\*Refer to the full page charts on pages 280-281 for more information and complete listing of parts.

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B-402	Paper	White	-40°F to 158°F (-40°C to 70°C)	Thermal Transfer	Thermal transfer-printable paper with permanent adhesive. Applications in general labeling and bar code labeling. Aggressive adhesive for bonding to corrugated, films, plastic and steel surfaces.
B-408	Paper	White	25°F to 158°F (4°C to 70°C)	Thermal Transfer	Bar code and general labeling. Repositionable adhesive.
B-409	Polyolefin	White	-94°F to 193°F (-70°C to 90°C)	Laser	Excellent write-on and laser-printability. Applications requiring durable write-on bar code-printable or computer-printable labels. Abrasion resistant.
B-410	Polyolefin	White	-90°F to 212°F (-70°C to 100°C)	Laser	Tamper-resistant. Applications requiring non-removable identification.
B-411	Polyolefin tag stock	White	-40°F to 122°F (-40°C to 50°C)	Thermal Transfer	Designed printing in harsh environments. Resistant to water and chemicals. Not recommended for outdoor applications. Tag material designed for general purpose marking.
B-412	Polypropylene tag stock	White	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer	Highly durable labels designed for thermal transfer printing in outdoor and harsh environmental applications. Ideal for wire and cable identification or product inventory identification, where legibility and tensile strength are needed.
B-422	Polyester	White	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer TLS2200®	Gloss white film with permanent acrylic-based adhesive. Designed for rough surfaces and applications where increased adhesion is required. Electronic PCB and component; bar code label and rating plates. 2 mil adhesive, recommended for application on textured surfaces.  
B-423	Polyester	White	-40°F to 248°F (-40°C to 120°C)	Thermal Transfer TLS2200	Thermal transfer-printable with a permanent acrylic adhesive. Electronic PCB and component; bar code label and rating plates.   
B-424	Paper	White	-40°F to 122°F (-40°C to 50°C)	Thermal Transfer TLS2200	Top-coated, thermal transfer-printable with a permanent latex adhesive. Designed for use in labeling applications requiring a low-cost, general-purpose labeling material.
B-426	Polyimide	Amber	-94°F to 662°F (-70°C to 350°C) 80 seconds at 662°F (350°C)	Thermal Transfer TLS2200	Polyimide film with a permanent acrylic adhesive, designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Can be used for top- or bottom-side component or board identification. Withstands extremely high temperatures.
B-427	Vinyl	Clear/White	-94°F to 158°F (-70°C to 70°C)	Thermal Transfer TLS2200	Permanent acrylic adhesive and a topcoat specifically formulated for thermal transfer printing. Excellent water, oil and solvent resistance with clarity and conformability. Self-laminating wire and cable identification. 
B-428	Metallized Polyester	Silver	-40°F to 176°F (-40°C to 80°C)	Thermal Transfer TLS2200®	Metallized polyester with a permanent acrylic adhesive. Thermal transfer printable. Designed for rating or serial plates, product information, warranty labels and inventory control labels.   
B-430	Polyester	Clear	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer TLS2200	Thermal transfer-printable polyester with permanent acrylic-based adhesive. Designed for rating and serial plates using alphanumerics, bar codes, graphic symbols, and logos that require name plate quality. Withstands numerous solvents and can be applied to variable surfaces.  
B-432	Polyester	Clear	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer	Gloss clear thermal transfer-printable film with permanent acrylic-based adhesive. Designed for rough surfaces and applications where increased adhesion is required. 2 mil adhesive recommended for application on textured surfaces. UL recognized/CSA approved for rating plate applications.  
B-433	Polyester	White	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer	Designed for electronic component marking and general purpose applications requiring good solvent, heat resistance and a label that can be easily removed. Removable acrylic-based adhesive. 
B-434	Metallized Polyester	Silver	-40°F to 194°F (-40°C to 90°C)	Thermal Transfer	Glossy metallized polyester with permanent acrylic-based adhesive. Designed for rough surfaces and applications where increased adhesion is required. 2 mil adhesive recommended for application on textured surfaces. UL recognized/CSA approved for rating plate applications.  
B-435	Metallized Polyester	Silver	-40°F to 194°F (-40°C to 90°C)	Thermal Transfer	High-performance material designed for thermal transfer printing. Withstands numerous solvents while maintaining excellent image quality. Ideal for rating plate applications and general purpose labeling.   

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	*These materials are AGA approved.

\*Refer to the full page charts on pages 280-281 for more information and complete listing of parts.

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B-436	Polyimide	Amber	-40°F to 518°F (-40°C to 270°C) 5 minutes at 518°F (270°C)	Thermal Transfer	Polyimide film with a removable silicone pressure sensitive adhesive designed to remove completely after high-temperature exposure. Can be used for top- or bottom-side component or board identification. Withstands extremely high temperatures.
B-437	Tedlar®	White or Yellow	-85°F to 275°F (-65°C to 135°C)	Thermal Transfer TLS2200	Polyvinylfluoride film with a permanent acrylic adhesive. Designed for cable and wire bundle identification, aerospace and military cable marking and applications where self-extinguishing properties are required. Available in white and yellow.
B-438	Metallized Polyester	Silver	-40°F to 104°F (-40°C to 40°C)	Thermal Transfer	Matte metallized polyester with a permanent adhesive. Designed for rating and serial plates requiring both high-performance and protection against removal. Designed to leave a checkerboard footprint if removed.
B-439	Colored Vinyl	Silver, Gold, Red, Purple, Yellow, Orange, Green, Black, Light Blue, White	-40°F to 104°F (-40°C to 40°C)	Thermal Transfer	Designed for use with thermal transfer printers in ambient conditions with limited solvent exposure. Ideal for applications requiring various colors - such as rating plates or finished product and general purpose identification. 
B-449	Polyolefin	White	-40°F to 194°F (-40°C to 90°C)	Thermal Transfer	Designed for use in temporary labeling applications requiring solvent resistance and print performance coupled with clean removability.
B-457	Polyimide	White	-94°F to 662°F (-70°C to 350°C) 80 seconds at 662°F (350°C)	Thermal Transfer TLS2200®	Polyimide film with a permanent acrylic adhesive, designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Can be used for top- or bottom-side component or board identification. Glossy topcoat provides excellent contrast and smear resistance. 
B-459	Polyester	White	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer TLS2200	Matte white with a permanent acrylic-based adhesive. Designed for electronic component marking and general purpose applications requiring good solvent and heat resistance.  
B-461	Polyester	Clear	-320°F to 230°F (-196°C to 130°C) 3 cycles of 4 hours in liquid nitrogen, at -320°F (-196°C)	Thermal Transfer	Clear film that can be offered with matte white printable zone in a self-laminating format. Provides excellent print smudge resistance and solvent resistance. Performs well in common laboratory environments such as liquid nitrogen, autoclave, freezer and hot water bath applications when laminated around itself.
B-464	Retro-reflective Polyester	Silver	-40°F to 176°F (-40°C to 80°C)	Thermal Transfer	Retroreflective polyester with permanent acrylic-based adhesive. Designed for long range bar code scanning in warehouse/bin locator applications. Recommended for indoor use only.
B-473	Polyester	White	-40°F to 248°F (-40°C to 120°C)	Thermal Transfer TLS2200	Static dissipative acrylic adhesive and static dissipative release liner. Ideal for bar code, printed circuit board and component identification.   
B-477	Polyimide	White	-94°F to 662°F (-70°C to 350°C) 80 seconds at 662°F (350°C)	Thermal Transfer TLS2200	Polyimide film with a permanent acrylic static dissipative adhesive and static dissipative release liner, designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Can be used for top- or bottom-side component or board identification. Glossy topcoat provides excellent contrast and smear resistance.  
B-478	Polyimide	White	-94°F to 662°F (-70°C to 350°C) 80 seconds at 662°F (350°C)	Thermal Transfer TLS2200	1-mil low profile polyimide film with a permanent static dissipative adhesive and static dissipative release liner; designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Glossy topcoat provides excellent contrast and smear resistance. Can be used for top- or bottom-side component or board identification.  
B-479	Polyimide	White	-94°F to 662°F (-70°C to 350°C) 80 seconds at 662°F (350°C)	Thermal Transfer TLS2200	1-mil low profile polyimide film with a permanent static dissipative adhesive and static dissipative release liner; designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Matte topcoat provides excellent resistance to solder balling. Can be used for top- or bottom-side component or board identification.  
B-483	Polyester	White	-40°F to 248°F (-40°C to 120°C)	Thermal Transfer	General purpose labeling. Highest adhesion product for thermal transfer printing, designed for powder coated surfaces.  

	These materials have static dissipative adhesives.
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B-484	Polyester	White	-40°F to 248°F (-40°C to 120°C)	Thermal Transfer	1 mil white polyester with a permanent, ultra-aggressive adhesive. Designed for powder-coated surfaces and curved/angled surfaces.
B-486	Metallized Polyester	Silver	-40°F to 248°F (-40°C to 120°C)	Thermal Transfer	Matte metallized polyester with a permanent, ultra aggressive adhesive. Designed for applications like rating and serial plates that require high adhesion to textured metals, low surface energy plastics, or powder coated surfaces.  
B-487	Polyimide	White	-94°F to 662°F (-70°C to 350°C) 80 seconds at 662°F (350°C)	Thermal Transfer	Polyimide film with a permanent acrylic adhesive, designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Matte topcoat provides excellent resistance to solder balling. Can be used for top- or bottom-side component or board identification. 
B-488	Polyester	White	-40°F to 320°F (-40°C to 160°C)	Thermal Transfer	Electronic PCB and component; bar code label and rating plates. High performance matte white.   
B-489	Polyester	White	-40°F to 248°F (-40°C to 120°C)	Thermal Transfer	Matte polyester with ultra aggressive, permanent adhesive. Designed for high adhesion to textured metals, low surface energy plastics, or powder coated surfaces.  
B-490	Polyester	White	—	Thermal Transfer	This material offers the unique ability to apply identification to a frost covered/cryogenically frozen surface.
B-495	Polyethylene Naphthalate (PEN)	White	-94°F to 464°F (-70°C to 240°C)	Thermal Transfer	High temperature PEN film with a permanent acrylic adhesive, designed to withstand most processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Glossy topcoat provides excellent contrast and smear resistance. Can be used for top- or bottom-side component or board identification, except bottom-side Through Hole applications. 
B-497	Polyimide	White	-94°F to 662°F (-70°C to 350°C) 80 seconds at 662°F (350°C)	Thermal Transfer	1-mil low profile polyimide film with a permanent acrylic adhesive, designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Matte topcoat provides excellent resistance to solder balling. Can be used for top- or bottom-side component or board identification. 
B-498	Vinyl Cloth	White	-40°F to 175°F (-40°C to 70°C)	Thermal Transfer TLS2200®	Wire, cable and component marking. Repositionable, removes cleanly. Suitable for general identification.
B-499	Nylon Cloth	White	-94°F to 194°F (-70°C to 90°C)	Thermal Transfer Dot Matrix ID PRO Plus LS2000, TLS2200	Wire and electronic component marking. Permanent adhesive. High adhesion makes all purpose wire marking ideal for environments where heat, cold, oil and dirt are present. Also ideal for laboratory vial identification. 
B-500	Vinyl Cloth	White and Colors	-40°F to 180°F (-40°C to 82°C)	Pre-Printed	Moderately resistant to heat, oil and dirt. Environments containing heat, oil or dirt. Wire and cable marker. Repositionable.
B-502	Vinyl Cloth	White	-40°F to 180°F (-40°C to 82°C)	Dot Matrix ID PRO Plus LS2000	Resistant to oil, water, humidity. Excellent printability; ink-receptive coating. Applications requiring general-purpose permanent or temporary labeling or marking with printable or write-on properties. Leaves no adhesive residue when removed - good EPROM label. Cable and wire markers. Repositionable.
B-503	Cloth	White	-40°F to 194°F (-40°C to 90°C)	Dot Matrix	Highly conformable. Self-extinguishing, printable tag. Designed for wire and cable identification. Meets UL94VTM-0 for flame retardancy.
B-505	Polyester	White	-40°F to 266°F (-40°C to 130°C)	Dot Matrix	Self-extinguishing, white polyester with a zone coated, permanent pressure sensitive acrylic adhesive. Designed to be used as a connector pull tab and passes the requirements of UL94 VTM-0.
B-508	Nomex® Tag	White or Yellow	-40°F to 180°F (-40°C to 82°C)	Dot Matrix	Computer-printable Nomex tag stock. Designed as a high-performance wire bundle and cable identification tag for use in harsh environments.
B-520	Glass Cloth	White	-85°F to 932°F (-65°C to 500°C)	Thermal Transfer Custom No Stock Parts	Woven glass cloth. Adheres strongly to glass and a variety of metal surfaces. Designed to withstand harsh temperatures, acidic and alkaline environments. Label is pressure sensitive at room temperature and becomes permanently affixed at temperatures above 400°C.
B-521	Glass Cloth	White, Green, Red, Purple, Yellow	-85°F to 932°F (-65°C to 500°C)	Custom No Stock Parts	Non-printable woven glass cloth. Adheres strongly to glass and a variety of metal surfaces. Designed to withstand harsh temperatures, acidic and alkaline environments. Label is pressure sensitive at room temperature and becomes permanently affixed at temperatures above 400°C.





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B-540	Saturated Crepe Paper	Beige	-40°F to 122°F (-40°C to 50°C)	N.A.	Good conformability; resistant to heat and moisture. Strips cleanly when removed. Temporary protective covers such as paint masking. Good for small sized masks.
B-605	Tedlar®	White	-40°F to 260°F (-40°C to 127°C)	Pre-Printed	Overlamine of polyester. Resistant to oil, solvents, dirt. Abrasion-resistant. Environments containing oil, solvents or dirt. Abrasive environments. Excellent for wire marking.
B-607	Vinyl	White	-40°F to 158°F (-40°C to 70°C)	Dot Matrix ID PRO® Plus LS2000	Tamper-evident film with a permanent acrylic adhesive. Designed to fracture easily to prevent one-piece removal. 
B-609	Paper	White	-40°F to 158°F (-40°C to 70°C)	Dot Matrix	Permanent adhesive; smudge resistant; write-on coating; low internal strength. Applications requiring economical, general-purpose label.
B-614	Polyester	White	-40°F to 200°F (-40°C to 93°C)	Dot Matrix ID PRO Plus LS2000	High resolution. Resistant to solvents, smudging, high-temperature. Applications requiring solvent resistance and high-temperature performance. Bar code printable.
B-619	Polyester	White	-94°F to 293°F (-70°C to 145°C)	Dot Matrix ID PRO Plus LS2000	Resistant to solvents; smudge-resistant. High resolution; high-temperature performance. Applications requiring bar code printing, electronic component, solvent or high temperature resistance and circuit board ID. 
B-621	Polyester	Clear	-93°F to 248°F (-70°C to 120°C)	Dot Matrix ID PRO Plus LS2000	Excellent write-on coating. Computer-printable overlamine. Translucent.
B-624	Polyester	White	-40°F to 248°F (-40°C to 120°C)	Dot Matrix ID PRO Plus LS2000	Excellent write-on and computer-printability. Applications requiring durable write-on bar code printable or computer-printable labels. Suitable for indoors or outdoors. Adheres well to rough surfaces.
B-627	Polyester	Gold	-40°F to 248°F (-40°C to 120°C)	Custom No Stock Parts	High heat resistance; dimensional stability. Treated for better ink receptivity. Ideal for high-quality labels, emblems and rating plates. 
B-632	Tedlar	White	-94°F to 266°F (-70°C to 130°C)	Dot Matrix ID PRO Plus LS2000	Smear-resistant; computer-printable. Good flexibility. Applications requiring write-on and self-extinguishing properties. Excellent computer-printable wire marker material.
B-637	Tedlar	White & Yellow	-40°F to 266°F (-40°C to 130°C)	Dot Matrix ID PRO Plus LS2000	Good computer-printability; self-extinguishing. MIL-M-87958. Applications requiring self-extinguishing, easily printed cable or wire identification. Aerospace and military cable marking.
B-639	Tedlar	Clear	-94°F to 248°F (-70°C to 120°C)	Custom No Stock Parts	Resistant to UV light and weathering; not printable. Overlamine for labels where resistance to UV light and weathering is necessary.
B-642	Tedlar®	Clear/ White	-94°F to 266°F (-70°C to 130°C)	Dot Matrix Thermal Transfer	Applications requiring self-extinguishing identification. Self-laminating, wire, cable and laboratory vial marking. Excellent abrasion and smudge resistance.
B-652	Polyimide	Amber	-94°F to 572°F (-70°C to 300°C) 5 minutes at 572°F (300°C)	Dot Matrix ID PRO® Plus LS2000 Laser	Polyimide film with a permanent acrylic adhesive, designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Can be used for top- or bottom-side component or board identification. Withstands extremely high temperatures.
B-654	Polyimide	Clear	Up to 320°F (160°C)	N.A.	1-mil clear polyimide film with a removable silicone adhesive. Ideal for use as a high temperature mask in printed circuit board applications. Removes cleanly after processing through vapor phase or wave solder cycle.
B-658	Polyimide	Amber	-40°F to 518°F (-40°C to 270°C) 5 minutes at 518°F (270°C)	Dot Matrix Laser	Polyimide film with a removable silicone pressure sensitive adhesive designed to remove completely after high temperature exposure. Can be used for top- or bottom-side component or board identification. Withstands extremely high temperatures.
B-673	Metallized Polyester	Silver	-40°F to 293°F (-40°C to 145°C)	Dot Matrix	Metallized polyester film with a removable silicone adhesive, designed for EPROM applications where opacity and removability are important. UV opaque, high temperature and good chemical and solvent resistance.
B-691	Polypropylene	Clear	-40°F to 212°F (-40°C to 100°C)	Custom No Stock Parts	Biaxially oriented film. Excellent clarity and flexibility; not printable. Clear protective overlaminates for most labels.

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B-693	Metallized Polyester	Silver	-40°F to 248°F (-40°C to 120°C)	Dot Matrix	Low-cost metallized identification or rating plate material. It exhibits good smudge, solvent, and heat resistance.
B-702	Vinyl-Coated Polyester	White	-40°F to 221°F (-40°C to 105°C)	Pre-Printed Thermal Transfer	High adhesion; good conformability; low profile; resistant to oil and mild solvents. Environments containing oil or mild solvents. Ideal for wire marking.
B-707	Polyester	White	-40°F to 267°F (-40°C to 130°C)	Laser	Electronic component labeling; general identification. Rough surface application; Stronger bond to low surface energy plastics.  
B-708	Vinyl	White	-40°F to 150°F (-40°C to 66°C)	Pre-Printed	Good strength and conformability. Resistant to oil, mild solvents and water. Environments containing oil, mild solvents or water. Indoor or outdoor use. Excellent for cable identification.
B-709	Polyester	White	-40°F to 158°F (-40°C to 70°C)	Laser	Applications requiring general purpose permanent and temporary labeling or marking with printable or write-on properties. Leaves no adhesive residue when removed from PC board.
B-712	Polyester	Clear	-40°F to 221°F (-40°C to 105°C)	Laser	Electronic component labeling; general identification. Rough surface application. Stronger bond to low surface energy plastics.
B-722	Polyester	Clear	-40°F to 221°F (-40°C to 105°C)	Laser	Permanent acrylic-based adhesive. Design for rating and serial plates using alphanumeric, bar codes, graphic symbols, and logos that require name plate quality. Withstands numerous solvents and can be applied to variable surfaces.
B-725	Vinyl	White	Up to 176°F (Up to 80°C)	Custom Quick Dot Markers	Good conformability; dielectric strength. Electrical-grade cable markers.
B-737	Tedlar	White or Yellow	-40°F to 266°F (-40°C to 130°C)	Laser	Self-extinguishing. Meets MIL-M-87958. Applications requiring self-extinguishing, easily printed cable or wire identification. Aerospace and military cable marking. Repositionable.
B-747	Polyester	White or Yellow	-40°F to 267°F (-40°C to 130°C)	Laser	Electronic PCB component, bar code labels. Excellent solvent and smudge resistant; and equipment labeling has high-resolution and high temperature performance; available in white only.  
B-759	Paper	White	-94°F to 193°F (-70°C to 90°C)	Laser	Permanent adhesive; smudge resistant. Applications requiring economical, general purpose label. Bar code-printable. Excellent toner adhesion.
B-773	Polyester	Silver	-85°F to 248°F (-65°C to 120°C)	Laser	Permanent acrylic adhesive. Designed for rating and serial plate that utilize alphanumeric, graphic symbols and logos. Electronic component marking. Designed to withstand numerous solvents and variable temperatures. Adheres to a variety of surfaces.  
B-799	Nylon Cloth	White	-40°F to 193°F (-40°C to 90°C)	Laser	Recommended for applications requiring permanent wire marking or general labeling.
B-841	Polyester	White	-40°F to 311°F (-40°C to 155°C)	Dot Matrix LS2000	Print-receptive coating. Resistant to tearing, weathering, abrasion, heat, cold, solvents and oil. Tag for outdoor or harsh environments where legibility and tear-resistance are important.
B-917	Aluminum Foil	Silver	-40°F to 266°F (-40°C to 130°C)	Dot Matrix	Printable; resistant to solvents, high temperatures. Identification and serialized labels, rating plates, general labeling. Full hard aluminum.  
B-953	Polyester	White	-40°F to 266°F (-40°C to 130°C)	Pre-Printed	1-mil low profile polyester film with an acrylic adhesive, designed to identify small electrical or electronic components. Excellent resistance to high temperatures and solvents. Capable of accepting extremely small print.
B-966	Polyester	Clear	-94°F to 248°F (-70°C to 120°C)	N/A	Release-coated surface. Not printable. Overlamine for PermaShield™ labels. Clear/durable.
B-969	Metallized Polyester	Silver	-94°F to 293°F (-70°C to 145°C)	Dot Matrix ID PRO Plus LS2000	Print-receptive topcoat. Rating or serial plate, product information property identification, warranty labels and inventory control labels, electronic component marking. Suitable for printing.  
B-999	Polyester	Clear	-40°F to 320°F (-40°C to 160°C)	Custom No Stock Parts	Printable. Aircraft tubing identification. Ideal for use as fluid wire tape.
B-7546	Polyester	White	-40°F to 175°F (-40°C to 80°C)	Thermal Transfer	Tamper evident; leaves "void" footprint when removed.  



\*These materials are UL recognized.  
\*These materials are CSA approved.

\*Refer to the full page charts on pages 280-281 for more information and complete listing of parts.

## Master Materials Chart

Brady Material #	Material	Color	Temp. Range	Print Technology	Properties & Applications
B-7566	Polyester	Gloss Clear	-40°F to 175°F (-40°C to 80°C)	Thermal Transfer	Tamper Evident; leaves "void" footprint when removed.
B-7576	Metallized Polyester	Silver	-40°F to 212°F (-40°C to 100°C)	Thermal Transfer	Tamper evident; leaves "void" footprint when removed. 
B-8423	Polyester	White	-94°F to 248°F (-70°C to 120°C)	Thermal Transfer	Thermal Transfer with a permanent acrylic adhesive. Semi-gloss finish; excellent for bar code labels.
B-8425	Polypropylene	White	-40°F to 194°F (-40°C to 90°C)	Thermal Transfer	General purpose labeling, asset identification and warning/instructional labeling.

 \*These materials are UL recognized.

*\*Refer to the full page charts on pages 280-281 for more information and complete listing of parts.*



## Print Technology / Materials Cross-Reference Chart

### Acetate Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Tamper Evident	<b>B-358</b> Clear Tamper Resistant Acetate <b>B-359</b> Matte White Tamper Resistant Acetate			

### Self-Laminating Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Vinyl Film	<b>B-427</b> Self-Laminating Vinyl		<b>B-292</b> Self-Laminating Vinyl	<b>B-117</b> Self-Laminating Vinyl
Polyester Film	<b>B-461</b> Self-Laminating Polyester	<b>B-361</b> Self-Laminating Polyester	<b>B-361</b> Self-Laminating Polyester	
Polyvinyl Fluoride Film (Tedlar®)	<b>B-642</b> Self-Laminating Tedlar®		<b>B-642</b> Self-Laminating Tedlar	

### Paper Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Permanent Adhesive	<b>B-424</b> Matte White Permanent Paper <b>B-402</b> Matte White Permanent Low Cost Paper	<b>B-759</b> Matte White Permanent Paper	<b>B-122</b> Matte White Tamper-Evident Paper <b>B-609</b> Matte White Permanent Paper	<b>B-113</b> Matte White Permanent Paper
Removable Adhesive	<b>B-408</b> Matte White Repositional Paper		<b>B-121</b> Matte White Smudge Resistant Removable Paper <b>B-110</b> Matte White Moisture Resistant Removable Paper	

### Cloth Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Vinyl Cloth	<b>B-498</b> Matte White Repositional Vinyl Cloth		<b>B-502</b> Matte White Repositional Vinyl Cloth	<b>B-115</b> Matte White Repositional Vinyl Cloth
Nylon Cloth	<b>B-499</b> Matte White Nylon Cloth	<b>B-799</b> Matte White Nylon Cloth	<b>B-499</b> Matte White Nylon Cloth	

### Vinyl Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Tamper Evident	<b>B-351</b> Matte White Tamper Resistant Vinyl <b>B-352</b> Matte Silver Tamper Resistant Vinyl		<b>B-607</b> Matte White Tamper Evident Vinyl	
Permanent, Non-Tamper Evident	<b>B-439</b> Glossy White Permanent Vinyl			

### Polyolefin Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Permanent Products	<b>B-407</b> Matte Super Clear Polyolefin <b>B-8425</b> Matte White Permanent Polypropylene	<b>B-409</b> Matte White Permanent Polyolefin	<b>B-409</b> Matte White Permanent Polyolefin	
Removable Products	<b>B-449</b> Matte White Removable Polyolefin			
Tamper Evident Products		<b>B-410</b> Matte White Tamper Evident Polyolefin		

Tedlar® is a registered trademark of DuPont.

## Print Technology / Materials Cross-Reference Chart

### White Polyester Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Permanent Acrylic Adhesive	<b>B-423</b> Glossy White Permanent Polyester <b>B-473</b> Glossy White Static Dissipative Polyester <b>B-422</b> Glossy White Super Permanent Polyester <b>B-459</b> Matte White Permanent Polyester <b>B-488</b> High Performance Matte White Permanent Polyester <b>B-8423</b> Satin White Permanent Polyester	<b>B-747</b> Matte White Permanent Polyester <b>B-707</b> Rough Surface Matte White Permanent Polyester	<b>B-619</b> Matte White Permanent Polyester	<b>B-107</b> Matte White Permanent Polyester
Tamper Evident	<b>B-350</b> Glossy White Water Indicating Paper/Polyester <b>B-354</b> Glossy White Indicating Paper/Polyester <b>B-7546</b> Glossy White Tamper Evident Polyester			
Permanent Rubber Adhesive	<b>B-483</b> Ultra Aggressive Permanent Glossy White Polyester <b>B-484</b> Ultra Aggressive Permanent 1 mil Glossy White Polyester <b>B-489</b> Ultra Aggressive Permanent Matte White Polyester		<b>B-624</b> Rough Surface Matte White Permanent Polyester	
Removable Adhesives	<b>B-433</b> Glossy White Removable Polyester	<b>B-709</b> Matte White Removable Polyester		

### Clear Polyester Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Permanent Acrylic Adhesive	<b>B-430</b> Glossy Clear Permanent Polyester <b>B-432</b> Rough Surface Glossy Clear Permanent Polyester	<b>B-722</b> Translucent Permanent Polyester <b>B-712</b> Rough Surface Translucent Permanent Polyester	<b>B-621</b> Matte Clear Permanent Polyester with 0.062" Black Border	
Tamper Evident	<b>B-7566</b> Glossy Clear Tamper Evident Polyester			

### Metallized Polyester Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Permanent Acrylic Adhesive	<b>B-428</b> Matte Metallized Polyester with 0.062" Black Border <b>B-435</b> Glossy Metallized Permanent Polyester <b>B-434</b> Rough Surface Glossy Metallized Permanent Polyester <b>B-464</b> Retroreflective Silver Polyester	<b>B-773</b> Matte Metallized Permanent Polyester	<b>B-969</b> Matte Metallized Permanent Polyester <b>B-693</b> Low Cost Matte Metallized Polyester <b>B-164</b> High Temperature Matte Metallized Permanent Polyester	
Permanent Rubber Adhesive	<b>B-486</b> Ultra Aggressive Matte Metallized Polyester			
Tamper Evident Labels	<b>B-438</b> Matte Metallized Tamper Evident Polyester <b>B-7576</b> Tamper Evident Metallized Polyester			
Removable Adhesives			<b>B-673</b> Matte Metallized Removable Polyester	

### Polyethylene Napthalate (PEN) Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Permanent Acrylic Adhesive	<b>B-495</b> Glossy White High Temperature PEN			

## Print Technology / Materials Cross-Reference Chart

### Polyvinyl Fluoride (Tedlar®) Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Permanent Acrylic Adhesive	<b>B-437</b> Flame Retardant Tedlar	<b>B-737</b> Flame Retardant Tedlar	<b>B-637</b> Self Extinguishing Tedlar <b>B-632</b> Low Profile Flame Retardant Tedlar	

### Polyimide Labels

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
White Topcoat	<b>B-457</b> High Temperature Glossy White Polyimide <b>B-477</b> Glossy White Static Dissipative Polyimide <b>B-478</b> Glossy White Low Profile Static Dissipative Polyimide <b>B-479</b> Matte White Low Profile Static Dissipative Polyimide <b>B-487</b> High Temperature Matte White Polyimide <b>B-497</b> Matte White Low Profile Polyimide			
Amber Topcoat	<b>B-426</b> High Temperature Amber Polyimide <b>B-436</b> Matte Amber Removable Polyimide	<b>B-652</b> High Temperature Amber Polyimide <b>B-658</b> Matte Amber Removable Polyimide	<b>B-652</b> High Temperature Amber Polyimide <b>B-658</b> Matte Amber Removable Polyimide	

### Tag Materials

	Thermal Transfer	Laser	Dot Matrix	Ink Jet
Cloth Products			<b>B-503</b> Matte White Flame Retardant Vinyl	
Polyolefin Products	<b>B-109</b> Matte White Polyethylene Tag <b>B-411</b> Matte White Polyolefin Tag <b>B-412</b> Matte White Polypropylene Tag/Insert		<b>B-109</b> Matte White Polyethylene Tag	
Polyester Film Products			<b>B-841</b> Matte White Polyester	
Polyaramid Paper Products			<b>B-508</b> Nomex® Tag	

Nomex® and Tedlar® are registered trademarks of DuPont.

## CSA Accepted Materials



## Printing Systems Category (Class 7923-01)

The Printing Systems Category lists label materials, ribbons or toners and printers which can be used to generate CSA accepted labels by an end user.

## Adhesive Label Category (Class 7921-04)

The Adhesive Label Category lists pre-printed label materials produced with approved printing processes.

Brady Material Number	Accepted	With Ribbon Series/Toner	Printers	Accepted	Accepted Pre-Printed Methods	Additional Printing (by end user)	Printers
B-422	●	R6000	All Brady, Zebra, Datamax and TLS 2200™	● ▲	R6000, UV screen ink all colors	R6000	All Brady, Zebra and Datamax
B-423	●	R6000	All Brady, Zebra, Datamax and TLS 2200	● ▲	R6000, UV screen ink all colors	R6000	All Brady, Zebra and Datamax
B-425	●	R6200	All Brady, Zebra, Datamax and Intermec	✗	_____	_____	_____
B-428	●	R4300 (only on TLS 2200), R6200	All Brady, Zebra, Datamax and TLS 2200	●	R4300, UV screen and solvent screen ink all colors	R6200, R4300	All Brady, Zebra, and Datamax
B-430	●	R6000	All Brady, Zebra, Datamax and TLS 2200	●	R6000, UV screen ink all colors	R6000	All Brady, Zebra, and Datamax
B-432	●	R6000	All Brady, Zebra, Datamax and TLS 2200	●	R6000, UV screen ink all colors	R6000	All Brady, Zebra, and Datamax
B-434	●	R6000, R4900	All Brady, Zebra and Datamax	●	R6000, UV screen and solvent screen ink all colors	R6000	All Brady, Zebra, and Datamax
B-435	●	R6000	All Brady, Zebra and Datamax	●	R6000, UV screen and solvent screen ink all colors or flexographic black ink	R6000	All Brady, Zebra, Datamax and Intermec
B-438	✗	_____	_____	●	_____	R4300	All Brady and Zebra
B-459	●	R6000, R4900	All Brady, Zebra, Datamax and TLS 2200	✗	_____	_____	_____
B-473	●	R6000	All Brady, Zebra, Datamax and Intermec	● ▲	R6000, UV screen ink all colors	R6000	All Brady, Zebra, Datamax and Intermec
B-483	●	R6000	All Brady, Zebra, Datamax and Intermec	● ▲	R6000, UV screen ink all colors	R6000	All Brady, Zebra, Datamax and Intermec
B-486	●	R4300, R6200	All Brady, Zebra and Datamax	●	R4300, UV screen and solvent screen ink all colors	R4300, R6200	All Brady, Zebra and Datamax
B-488	●	R4300, R6200	All Brady, Zebra, Datamax and Intermec	●	UV screen ink all colors	R4300, R6200	All Brady, Zebra and Datamax
B-489	●	R4300, R6200	All Brady, Zebra, Datamax and Intermec	●	UV screen ink all colors	R4300, R6200	All Brady, Zebra, Datamax and Intermec
B-499	●	R4300	TLS 2200	✗	_____	_____	_____
B-607	✗	_____	_____	●	Solvent screen all colors, UV screen all colors, letterpress black only	R2000, R5000	_____
B-619	✗	_____	_____	●	Solvent screen all colors, UV screen all colors, letterpress black only	R2000, R5000	_____
B-627	✗	_____	_____	●	Solvent screen all colors, UV screen all colors, flexographic black only, letterpress black only	R2000, R5000	_____
B-707	●	refer to file	refer to file	✗	_____	_____	_____
B-747	●	refer to file	refer to file	✗	_____	_____	_____
B-773	●	refer to file	refer to file	✗	_____	_____	_____
B-917	✗	_____	_____	●	UV screen all colors	_____	_____
B-969	✗	_____	_____	●	Solvent screen all colors, UV screen all colors	R2000, R5000	_____
B-7546	●	R6000	All Brady, Zebra, Datamax and TLS 2200	✗	_____	_____	_____
B-8423	●	R6000, R6200	All Brady, Zebra and Datamax	●	UV flexo, black only outdoor, indoor no limitations for CSA acceptance, additional printing by end-user	R6000, R6200	All Brady, Zebra and Datamax
B-8424	✗	_____	_____	●	UV flexo (no color limits as this only has indoor approval), additional printing by end-user	R6000	All Brady, Zebra and Datamax
B-8457	✗	_____	_____	●	_____	R6000, R6000 HV	All Brady and Zebra
B-8477	✗	_____	_____	●	_____	R6000, R6000 HV	All Brady and Zebra

Refer to bradyid.com, Support/Knowledge Base document number JM173350 (titled CSA Accepted Materials) for the latest up to date information and more details. Brady's Acceptance Record with CSA is LS41833.

▲ These materials are also suitable for flood coating with a background ink (solvent screen) and additional thermal transfer printing with the R6000 series ribbon.

● Yes

✗ No

## UL Recognized Materials (UL969) Marking and Labeling Systems



### Printing Materials Category (PGJ12)

Brady's file number in category PGJ12 is MH 17154. This category lists label materials and ribbons or toners which can be used to generate UL recognized labels by an end user. This category also includes labels pre-printed with printing inks (at Brady) in which end users can then add print (thermal transfer or laser).

### Marking and Labeling Systems Category (PGDQ2)

Brady's file number in category PGDQ2 is MH 10939. This category lists pre-printed labels produced with approved printing processes and inks. Thermal transfer printed labels in this category can be sold as pre-printed labels using thermal transfer print methods (Brady Bureau of Identification). Where applicable, additional printing can be added to labels by end users with the listed dot matrix ribbons.

Brady Material Number	Recognized	With Ribbon Series/Toner	Printing Ink	Recognized	Approved Pre-Printed Methods	Additional Printing (by end user) via dot matrix ribbons
B-292	✗	—	—	●	—	R2000, R5000, R7300
B-422	● ▲	R4900, R6000, R6000 HV	UV screen ink all colors, solvent screen	● ▲	R6000, R4900, UV screen ink all colors, solvent screen	—
B-423	● ▲	R4900, R6000, R6000 HV	UV screen ink all colors, solvent screen	● ▲	R6000, R4900, UV screen ink all colors, solvent screen	—
B-425	●	R6200	—	✗	—	—
B-427	●	R4300, R6200	—	✗	—	—
B-428	●	R4300	UV screen ink or solvent screen ink all colors	●	R4300, UV screen ink or solvent screen all colors	—
B-430	●	R4900, R6000	UV screen ink all colors	●	R6000, R4900, UV screen ink all colors	—
B-432	●	R4900, R6000	UV screen ink all colors	●	R6000, R4900, UV screen ink all colors	—
B-433	●	R4900, R6000, R6200	—	✗	—	—
B-434	●	R4800, R4900, R6000 all colors	UV screen ink or solvent screen ink	✗	—	—
B-435	●	R4900, R6000	Solvent screen in all colors, flexographic black, UV screen	✗	—	—
B-438	●	R4300	—	✗	—	—
B-457	●	R6000	—	●	R6000	—
B-459	●	R4400, R4900, R6000	—	✗	—	—
B-473	● ▲	R4900, R6000	UV screen ink all colors, solvent screen	▲	R6000, R4900, UV screen ink all colors	—
B-477	●	R6000	—	●	R6000	—
B-478	●	R6000	—	●	Not listed in this file	—
B-479	●	R4800, R6000	—	✗	—	—
B-483	● ▲	R4900, R6000	UV screen ink all colors, solvent screen	● ▲	R4900, R6000, R6000 HV, UV screen ink all colors	—
B-484	●	R4900, R6000, R6000 HV	Solvent screen, UV screen	● ▲	R4900, R6000, R6000 HV, UV screen ink all colors	—
B-486	●	R4300	UV screen ink or solvent screen ink all colors	●	R4300, UV screen ink or solvent screen all colors	—
B-487	●	R4800, R6000	—	● ▲	R4800, R6000, R6000 HV	—
B-488	●	R4300, R6200	UV screen ink all colors	✗	—	—
B-489	●	R4300, R6200	UV screen ink all colors	●	R4300, R6200, UV screen ink all colors	—
B-495	●	R6000	—	✗	R6000	—
B-497	●	R4800, R6000	—	✗	—	—
B-499	●	R4300, R4900 (R2000, R5000 dot matrix)	—	✗	—	—
B-607	✗	—	—	●	Solvent screen all colors, UV screen all colors, UV rotary letterpress black only	R2000, R5000
B-619	✗	—	—	●	Solvent screen all colors, UV screen all colors, flexographic black or blue only, letterpress black only	R2000, R5000
B-707 & B-707/ B-966B (PSL)	●	R4300	—	✗	—	—
B-747 & B-747/ B-966B (PSL)	●	R4300	—	✗	—	—
B-773 & B-773/ B-966B (PSL)	●	refer to file	—	✗	—	—
B-917	✗	—	—	●	Solvent screen all colors, UV screen all colors, flexographic all colors, letterpress black only	—
B-969	✗	—	—	●	Solvent screen all colors, UV screen all colors, flexographic black only, letterpress black only	R2000, R5000
B-7546	●	R6000	—	✗	—	—
B-7576	●	R4900, R6000	—	✗	—	—
B-8423	●	R6000, R6200	UV flexo, yellow, blue, black, outdoor no color, limitations indoor	✗	R6000, R6200, UV flexo, yellow, blue, black, outdoor no color, indoor limitations	—
B-8425	●	R6000, R6000 HV	UV flexo	✗	R6000, R6000, UV flexo	—

Refer to [bradyid.com](http://bradyid.com), Support/Knowledge Base document number JM134823 (titled UL Recognized Components) for the latest up to date information and more details.

▲ These materials are also suitable for flood coating with a background ink (solvent screen) and additional thermal transfer printing with the R6000 series ribbon.

● Yes

✗ No

## Wire Conductor Dimension Guide

Size AWG. *	Type THW Wire O.D. Inch (mm)	Circumference	Type THHN Wire O.D. Inch (mm)	Circumference	Type Teflon® Wire O.D. Inch (mm)	Circumference	Type PVC Wire O.D. Inch (mm)	Circumference
22	-	-	-	-	0.060 (1.52)	0.190 (4.77)	0.062 (1.57)	0.190 (4.93)
20	-	-	-	-	0.068 (1.73)	0.210 (5.43)	0.069 (1.75)	0.220 (5.50)
18	0.108 (2.74)	0.340 (2.64)	0.089 (2.26)	0.280 (7.10)	0.079 (2.01)	0.250 (6.31)	0.079 (2.00)	0.250 (6.28)
16	0.118 (3.00)	0.370 (9.42)	0.100 (2.54)	0.310 (7.98)	0.089 (2.26)	0.280 (7.10)	0.092 (2.34)	0.290 (7.35)
14	0.162 (4.11)	0.510 (12.91)	0.105 (2.67)	0.330 (8.38)	-	-	0.138 (3.50)	0.430 (10.99)
12	0.179 (4.55)	0.560 (14.29)	0.122 (3.10)	0.380 (9.73)	-	-	0.158 (4.01)	0.500 (12.59)
10	0.199 (5.05)	0.620 (15.86)	0.153 (3.89)	0.480 (12.21)	-	-	0.183 (4.65)	0.570 (14.60)
8	0.276 (7.01)	0.870 (22.01)	0.218 (5.54)	0.680 (17.40)	-	-	0.250 (6.35)	0.790 (19.94)
6	0.323 (8.20)	1.010 (25.75)	0.257 (6.53)	0.810 (20.50)	-	-	-	-
4	0.372 (9.45)	1.170 (29.67)	0.328 (8.33)	1.030 (26.16)	-	-	-	-
3	0.401 (10.19)	1.260 (32.00)	0.356 (9.04)	1.120 (28.39)	-	-	-	-
2	0.433 (11.00)	1.360 (34.54)	0.388 (9.86)	1.220 (30.96)	-	-	-	-
1	0.508 (12.90)	1.600 (40.51)	0.450 (11.43)	1.410 (35.89)	-	-	-	-
1/0	0.549 (13.95)	1.720 (43.80)	0.491 (12.47)	1.540 (39.16)	-	-	-	-
2/0	0.595 (15.11)	1.870 (47.45)	0.537 (13.64)	1.690 (42.83)	-	-	-	-
3/0	0.647 (16.43)	2.030 (51.59)	0.588 (14.94)	1.850 (46.91)	-	-	-	-
4/0	0.705 (17.91)	2.210 (56.24)	0.646 (16.41)	2.030 (51.53)	-	-	-	-

\*American Wire Gauge



Compatible to EU Directive 2002 / 95 / RoHS

Material*	Results	Material*	Results	Material*	Results	Material*	Results
B-11	Pass <sup>1</sup>	B-422	Pass <sup>1</sup>	B-495	Pass <sup>1</sup>	B-712	Pass <sup>1</sup>
B-12	Pass <sup>1</sup>	B-423	Pass <sup>1</sup>	B-497	Pass <sup>1</sup>	B-722	Pass <sup>1</sup>
B-103	Pass <sup>1</sup>	B-424	Pass <sup>1</sup>	B-498	Pass <sup>1</sup>	B-725 white	Pass <sup>1</sup>
B-104	Pass <sup>1</sup>	B-425	Pass <sup>1</sup>	B-499	Pass <sup>1</sup>	B-737 white	Pass <sup>1</sup>
B-107	Pass <sup>1</sup>	B-426	Pass <sup>1</sup>	B-500 dark blue	Pass <sup>1</sup>	B-737 yellow	Pass <sup>1</sup>
B-109 white	Pass <sup>1</sup>	B-428	Pass <sup>1</sup>	B-500 dark green	Pass <sup>1</sup>	B-747 white	Pass <sup>1</sup>
B-110	Pass <sup>1</sup>	B-430	Pass <sup>1</sup>	B-500 orange	Pass <sup>1</sup>	B-747 yellow	Pass <sup>1</sup>
B-111	Pass <sup>1</sup>	B-432	Pass <sup>1</sup>	B-500 printed	Pass <sup>1</sup>	B-759	Pass <sup>1</sup>
B-112	Pass <sup>1</sup>	B-433	Pass <sup>1</sup>	B-500 red	Pass <sup>1</sup>	B-773	Pass <sup>1</sup>
B-113	Pass <sup>1</sup>	B-434	Pass <sup>1</sup>	B-500 white	Pass <sup>1</sup>	B-799	Pass <sup>1</sup>
B-115	Pass <sup>1</sup>	B-435	Pass <sup>1</sup>	B-502 white	Pass <sup>1</sup>	B-966B	Pass <sup>1</sup>
B-121	Pass <sup>1</sup>	B-436	Pass <sup>1</sup>	B-502 yellow	Pass <sup>1</sup>	B-969	Pass <sup>1</sup>
B-122	Pass <sup>1</sup>	B-437	Pass <sup>1</sup>	B-503	Pass <sup>1</sup>	B-7546	Pass <sup>1</sup>
B-124	Pass <sup>1</sup>	B-438	Pass <sup>1</sup>	B-505	Pass <sup>1</sup>	B-7566	Pass <sup>1</sup>
B-145	Pass <sup>1</sup>	B-439 White	Pass <sup>1</sup>	B-508 white	Pass <sup>1</sup>	B-7576	Pass <sup>1</sup>
B-164	Pass <sup>1</sup>	B-439 yellow	Pass <sup>1</sup>	B-508 yellow	Pass <sup>1</sup>	B-8423	Pass <sup>1</sup>
B-184	Pass <sup>1</sup>	B-439 light blue	Pass <sup>1</sup>	B-540	Pass <sup>1</sup>	B-8425	Pass <sup>1</sup>
B-302	Pass <sup>1</sup>	B-439 purple	Pass <sup>1</sup>	B-605 white	Pass <sup>1</sup>	B-8457	Pass <sup>1</sup>
B-319	Pass <sup>1</sup>	B-439 white	Pass <sup>1</sup>	B-607	Pass <sup>1</sup>		
B-321	Pass <sup>1</sup>	B-439 black	Pass <sup>1</sup>	B-609	Pass <sup>1</sup>		
B-322	Pass <sup>1</sup>	B-439 silver	Pass <sup>1</sup>	B-619	Pass <sup>1</sup>		
B-330	Pass <sup>1</sup>	B-449	Pass <sup>1</sup>	B-621	Pass <sup>1</sup>		
B-341	Pass <sup>1</sup>	B-451	Pass <sup>1</sup>	B-624	Pass <sup>1</sup>		
B-342	Pass <sup>1</sup>	B-457	Pass <sup>1</sup>	B-632	Pass <sup>1</sup>		
B-350	Pass <sup>1</sup>	B-459	Pass <sup>1</sup>	B-637 white	Pass <sup>1</sup>		
B-351	Pass <sup>1</sup>	B-461	Pass <sup>1</sup>	B-637 yellow	Pass <sup>1</sup>		
B-352	Pass <sup>1</sup>	B-466	Pass <sup>1</sup>	B-639	Pass <sup>1</sup>		
B-354	Pass <sup>1</sup>	B-473	Pass <sup>1</sup>	B-642	Pass <sup>1</sup>		
B-358	Pass <sup>1</sup>	B-477	Pass <sup>1</sup>	B-652	Pass <sup>1</sup>		
B-359	Pass <sup>1</sup>	B-478	Pass <sup>1</sup>	B-654	Pass <sup>1</sup>		
B-361	Pass <sup>1</sup>	B-479	Pass <sup>1</sup>	B-658	Pass <sup>1</sup>		
B-389	Pass <sup>1</sup>	B-483	Pass <sup>1</sup>	B-673	Pass <sup>1</sup>		
B-402	Pass <sup>1</sup>	B-484	Pass <sup>1</sup>	B-688	Pass <sup>1</sup>		
B-407	Pass <sup>1</sup>	B-486	Pass <sup>1</sup>	B-693	Pass <sup>1</sup>		
B-408	Pass <sup>1</sup>	B-487	Pass <sup>1</sup>	B-697	Pass <sup>1</sup>		
B-409	Pass <sup>1</sup>	B-488	Pass <sup>1</sup>	B-702	Pass <sup>1</sup>		
B-410	Pass <sup>1</sup>	B-489	Pass <sup>1</sup>	B-707	Pass <sup>1</sup>		
B-412	Pass <sup>1</sup>	B-490	Pass <sup>1</sup>	B-709	Pass <sup>1</sup>		

Ribbon	Results
R2000 Series Black	Pass <sup>1</sup>
R4300	Pass <sup>1</sup>
R4400 blue	Pass <sup>1</sup>
R4400 green	Pass <sup>1</sup>
R4400 red	Pass <sup>1</sup>
R4400 white	Pass <sup>1</sup>
R4500 blue	Pass <sup>1</sup>
R4500 red	Pass <sup>1</sup>
R4500 silver	Pass <sup>1</sup>
R4800 white	Pass <sup>1</sup>
R4900	Pass <sup>1</sup>
R5000	Pass <sup>1</sup>
R5200	Pass <sup>1</sup>
R6000	Pass <sup>1</sup>
R6100	Pass <sup>1</sup>
R6200	Pass <sup>1</sup>
R6300	Pass <sup>1</sup>
R7300	Pass <sup>1</sup>

\* All preprinted materials listed as "Pass" were tested using black ink only. If your application requires a preprinted label with colors other than black, please contact Brady directly for compatibility information.

<sup>1</sup> Labels with our thermal transfer printers must be printed with the proper RoHS compatible ribbon to meet RoHS specifications. Based on the results of testing using recognized analytical methods performed by a third party, independent laboratory, the base material is RoHS compliant to the current TAG MCV proposal to the EU Commission for Cadmium, Lead, Chrome6+ Mercury, PBBs, and PBDEs. For specific testing data please contact Brady.

For more information, visit  
[www.bradyid.com/WEEE-RoHS](http://www.bradyid.com/WEEE-RoHS)