



TECHNICAL INFORMATION

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










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Master Materials Chart



Brady Material #	Material	Colour	Temp. Range	Print Technology	Properties & Applications
B-11	Polyester	White & Various	-40°C to 145°C	Pre-Printed	Resistant to heat, oil, solvents. Roll-form wire markers. Environments containing heat, oil, or solvents.
B-12	Acetate Cloth	Beige	-29°C to 105°C	Pre-Printed	Resistant to oil and heat. Wire marker for varnish dip or baking cycles.
B-103	Polyester	Clear	-70°C 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	-70°C to 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-109	Polyethylene	White	-40°C to 80°C	Dot Matrix Thermal Transfer TLS2200®	General-purpose tagging material with excellent tear- and chemical- resistance. Exhibits good weatherability, humidity resistance, and legibility after solvent exposure.
B-110	Saturated Paper	White	-40°C to 100°C	Dot Matrix	Excellent conformability; resistant to water and humidity. Environments containing water, humidity. Ideal for temporary identification.
B-121	Paper	White	-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°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	66°C Maximum	Dot Matrix Laser	Designed for 110 terminal block marking.
B-184	Aluminum Foil	Silver	-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°C to 70°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 cable marker.
B-319	Polyolefin	White	-65°C to 130°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	-40°C to 120°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°C to 120°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.
B-330	Polyolefin	White & Yellow	-70°C to 120°C	Dot Matrix & Thermal Transfer	Heat shrinkable polyolefin film with a printable topcoat and heat activating adhesive. Identification of wire bundles, large conduits and installed cables
B-341	Polyolefin	White or Yellow	-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	-55°C to 135°C	Dot Matrix Thermal Transfer ID PRO Plus LS2000, TLS2200® BMP™21	3-to-1 shrink ratio self-extinguishing; meets the material and physical property requirements of AMS-DTL-23053/5 (class 1); SAE AS-81531; MIL-STD-20F; method 215 and UL 224
B-350	Polyester/Paper Laminate	White	-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-352	Metallised Vinyl	Silver	-40°C to 100°C	Thermal Transfer	Tamper-resistant metallised film. Good resistance to solvents and humidity. Designed to fracture easily to prevent one-piece removal. Ⓢ
B-361	Polyester	Clear/White	-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.

Ⓢ *These materials are UL recognized.

Master Materials Chart






















Brady Material #	Material	Colour	Temp. Range	Print Technology	Properties & Applications
B-367	Polyolefin	White & Silver	-70°C to 90°C	Thermal Transfer	Custom footprint tamper-evident polypropylene for rating plates, tamper seals or package closures that require high performance and evidence of label removal. 
B-389	Polypropylene	White	-40°C to 100°C	Dot Matrix	Printable rigid inserts designed to be affixed to a wire.
B-402	Paper	White	-40°C to 60°C	Thermal Transfer	Thermal transfer-printable paper with permanent adhesive. Applications in general labelling and bar code labelling. Aggressive adhesive for bonding to corrugated, films, plastic and steel surfaces.
B-408	Paper	White	4°C to 70°C	Thermal Transfer	Bar code and general labelling. Repositionable adhesive.
B-409	Polyolefin	White	-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	-70°C to 100°C	Laser	Tamper-resistant. Applications requiring non-removable identification.
B-411	Polyolefin tag stock	White	-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°C to 100°C	Thermal Transfer	Highly durable labels designed for thermal transfer printing. Ideal for wire and cable identification or product inventory identification, where legibility and tensile strength are needed.
B-413	Polyester	Silver	-70°C to 120°C	Thermal Transfer	Electronic PCB and Component identification, bar code label and rating plates. Non metallised, metal look polyester 
B-422	Polyester	White	-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°C to 110°C	Thermal Transfer BMP™21	Thermal transfer-printable with a permanent acrylic adhesive. Electronic PCB and component; bar code label and rating plates. HF   
B-424	Paper	White	-40°C to 50°C	Thermal Transfer TLS2200®	Top-coated, thermal transfer-printable with a permanent latex adhesive. Designed for use in labelling applications requiring a low-cost, general-purpose labelling material.
B-425	Polyolefin	White	-70°C to 145°C	Thermal Transfer	Labelling applications requiring excellent solvent resistance and print performance. HF  
B-426	Polyimide	Amber	-70°C to 350°C 80 seconds at 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	-70°C to 70°C	Thermal Transfer TLS2200® BMP™21	Vinyl film with 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	Metallised Polyester	Silver	-40°C to 110°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. HF   
B-429	Polyolefin	White	-70°C to 80°C	Thermal Transfer	Tamper-evident destructible polyolefin designed for E-PROM and rating plate labelling that require high performance and protection against removal.  
B-430	Polyester	Clear	-40°C to 100°C	Thermal Transfer BMP™21	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 various surfaces.  
B-432	Polyester	Clear	-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°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	Metallised Polyester	Silver	-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.  

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Brady Material #	Material	Colour	Temp. Range	Print Technology	Properties & Applications
B-435	Metallised Polyester	Silver	-40°C to 90°C	Thermal Transfer	High-performance material designed for thermal transfer printing. Withstands numerous solvents while maintaining excellent image quality.   
B-436	Polyimide	Amber	-40°C to 270°C 5 minutes at 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	-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	Metallised Polyester	Silver	-70°C to 40°C	Thermal Transfer	Matt metallised 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	Coloured Vinyl	Silver, Gold, Red, Purple, Yellow, Orange, Green, Black, Light Blue, White	-70°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 colours - such as rating plates or finished product and general purpose identification.
B-449	Polypropylene	White	-70°C to 90°C	Thermal Transfer	Designed for use in temporary labelling applications requiring solvent resistance and print performance coupled with clean removability.
B-457	Polyimide	White	-70°C to 350°C 80 seconds at 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°C to 100°C	Thermal Transfer TLS2200®	Matt 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	-196°C to 130°C 3 cycles of 4 hours in liquid nitrogen, at -196°C	Thermal Transfer BMP™21	Clear film that can be offered with matt 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-473	Polyester	White	-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-476	Polyimide	Green	-70°C to 350°C 80 seconds at 350°C	Thermal Transfer	Printed circuit board and electronic component pre-process labelling 
B-477	Polyimide	White	-70°C to 350°C 80 seconds at 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	-70°C to 350°C 80 seconds at 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. HF  
B-479	Polyimide	White	-70°C to 350°C 80 seconds at 350°C	Thermal Transfer TLS2200®	1-mil low profile polyimide film with a permanent static dissipative adhesive designed to withstand the various processes, fluxes and cleaning solvents encountered in the manufacture of printed circuit boards. Matt topcoat provides excellent resistance to solder balling. Can be used for top- or bottom-side component or board identification.  
B-480	Polyester	Silver	-70°C to 120°C	Thermal Transfer	Bar code labels, serial and rating plates requiring nameplate-like quality. Non metallised, metal look polyester. 
B-483	Polyester	White	-40°C to 120°C	Thermal Transfer	General purpose labelling. Highest adhesion product for thermal transfer printing, designed for powder coated surfaces.  
B-484	Polyester	White	-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. 

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B-486	Metallised Polyester	Silver	-40°C to 120°C	Thermal Transfer	Matt metallised 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	-70°C to 350°C 80 seconds at 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. Matt topcoat provides excellent resistance to solder balling. Can be used for top- or bottom-side component or board identification. 
B-488	Polyester	White	-40°C to 160°C	Thermal Transfer BMP™21	Electronic PCB and component; bar code label and rating plates. High performance matt white.   
B-489	Polyester	White	-40°C to 120°C	Thermal Transfer	Matt polyester with ultra aggressive, permanent adhesive. Designed for high adhesion to textured metals, low surface energy plastics, or powder coated surfaces.  
B-496	Polyimide	White	-70°C to 300°C	Thermal Transfer	Printed circuit board and electronic component pre-process labelling, especially with auto-dispensing requirements 
B-497	Polyimide	White	-70°C to 350°C 80 seconds at 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. Matt 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°C to 80°C	Thermal Transfer TLS2200®	Wire, cable and component marking. Repositionable, removes cleanly. Suitable for general identification. 
B-499	Nylon Cloth	White	-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 Colours	-40°C to 80°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°C to 80°C	Dot Matrix ID PRO Plus LS2000	Resistant to oil, water, humidity. Excellent printability; ink-receptive coating. Applications requiring general-purpose permanent or temporary labelling 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°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-508	Nomex® Tag	White or Yellow	-70°C to 130°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-540	Saturated Crepe Paper	Beige	-40°C to 50°C 2 hours at 145°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-580	Vinyl	Various	-40°C to 82°C	Thermal Transfer BMP™21	Glossy vinyl for indoor and 5 year-outdoor applications. For on smooth or rough surfaces such as pipes, walls, doors, panels, bins and equipment. Aggressive adhesive.
B-607	Vinyl	White	-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 removal in one piece.  
B-609	Paper	White	-40°C to 70°C	Dot Matrix	Permanent adhesive; smudge resistant; write-on coating; low internal strength. Applications requiring economical, general-purpose label.
B-619	Polyester	White	-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	-70°C to 120°C	Dot Matrix ID PRO Plus LS2000	Excellent write-on coating. Computer-printable overlamine. Translucent.
B-624	Polyester	White	-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-632	Tedlar®	White	-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.


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B-637	Tedlar	White & Yellow	-70°C to 135°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-642	Tedlar®	Clear/ White	-70°C to 120°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	-70°C to 350°C 80 seconds at 350°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	10 seconds at 270°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 vapour phase or wave solder cycle.
B-673	Metallized Polyester	Silver	-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-693	Metallised Polyester	Silver	-40°C to 120°C	Dot Matrix	Low-cost metallised identification or rating plate material. It exhibits good smudge, solvent, and heat resistance.
B-702	Vinyl-Coated Polyester	White	-40°C to 105°C	Pre-Printed	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°C to 130°C	Laser	Electronic component labelling; general identification. Rough surface application; Stronger bond to low surface energy plastics.  
B-708	Vinyl	White	-40°C to 70°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°C to 70°C	Laser	Applications requiring general purpose permanent and temporary labelling or marking with printable or write-on properties. Leaves no adhesive residue when removed from PC board.
B-712	Polyester	Clear	-40°C to 105°C	Laser	Electronic component labelling; general identification. Rough surface application. Stronger bond to low surface energy plastics.
B-722	Polyester	Clear	-40°C to 105°C	Laser	Polyester with permanent acrylic-based adhesive. Design 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 various surfaces.
B-725	Vinyl	White	-70°C to 70°C	Custom Quik-Dot™ Markers	Good conformability; dielectric strength. Electrical-grade cable markers.
B-737	Tedlar®	White or Yellow	-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°C to 130°C	Laser	Electronic PCB component, bar code labels. Excellent solvent and smudge resistant; and equipment labelling has high-resolution and high temperature performance.  
B-759	Paper	White	-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	-65°C to 120°C	Laser	Permanent acrylic adhesive. Designed for rating and serial plate that utilise alphanumeric, graphic symbols and logos. Electronic component marking. Designed to withstand numerous solvents and variable temperatures. Adheres to a variety of surfaces. HF  
B-799	Nylon Cloth	White	-40°C to 90°C	Laser	Recommended for applications requiring permanent wire marking or general labelling. HF
B-841	Polyester	White	-40°C to 150°C	Laser & Dot Matrix	Tag for outdoor or harsh environments. Resistant to tearing, weathering, abrasion, heat, cold, solvents and oil
B-953	Polyester	White	-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	-70°C to 120°C	N/A	Release-coated surface. Not printable. Overlamine for PermaShield™ labels. Clear/durable.

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B-969	Metallized Polyester	Silver	-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.	UL SF
B-999	Polyester	Clear	-65°C to 160°C	Custom No Stock Parts	Printable. Aircraft tubing identification. Ideal for use as fluid wire tape.	
B-7351	Vinyl	White	-40°C to 100°C	Thermal Transfer	Rating and serial plates that require high performance and resistance to product tampering	
B-7423	Polyester	White	-70°C to 145°C	Thermal Transfer	Specifically designed for auto apply application and also used as post process label for printed circuit boards	
B-7546	Polyester	White	-40°C to 80°C	Thermal Transfer	Tamper evident; leaves "void" footprint when removed.	UL SF
B-7551	Polyester	Clear	-40°C to 70°C	Thermal Transfer	B-7551 is designed to use as overlamine and for general labelling.	
B-7552	Polyester	Clear	-30°C to 120°C	Thermal Transfer	Protective overlamine e.g. for PNP labels	
B-7563	Polyester	Silver	-40°C to 135°C	Thermal Transfer	Rating and serial plates using alphanumerics, barcodes, graphic symbols and logos that require name plate quality.	UL
B-7564	Polyester	Clear	-20°C to 70°C	Thermal Transfer	50µ matt overlamine also used for rating and serial plates.	
B-7566	Polyester	Clear	-70°C to 80°C	Thermal Transfer	Material that requires high performance and evidence of label removal by VOID pattern	
B-7573	Polyester	White	-40°C to 150°C	Thermal Transfer	Under-the-bonnet labelling, asset identification, name- face- and rating-plates identification, chemical drum labelling, etc.	
B-7576	Metallized Polyester	Silver	-40°C to 100°C	Thermal Transfer	Tamper evident; leaves "void" footprint when removed.	UL
B-7593	Polyester	Various	-40°C to 100°C	Thermal Transfer	EPREP (Engraved Plate REPlacement) labels are innovative labels specifically designed to replace engraved and plotted plates for the identification of electrical components, electrical cabinets, push buttons, patch panels, etc.	
B-7596	Vinyl	White	-40°C to 100°C	Thermal Transfer	Durasleeve, inserts, tags	
B-7597	Polyethylene	White	-40°C to 100°C	Thermal Transfer	Multi-purpose identification tag 200µm	HF
B-7599	Polyethylene	White	-40°C to 100°C	Thermal Transfer	Multi-purpose identification tag 250µm	
B-8423	Polyester	White	-70°C to 145°C	Thermal Transfer	Thermal transfer polyester with a permanent acrylic adhesive. Semi-gloss finish; excellent for bar code labels.	UL SF
B-7604	Paper	White	-20°C to 80°C	Thermal Transfer - Direct Thermal	White matt direct thermal paper for low cost general labelling applications	
B-7605	Polyolefin	White	-40°C to 80°C	Thermal Transfer	White synthetic polyethylene/polystyrene with low internal strength and a high performance adhesive that prevents one piece removal from most surfaces.	
B-7606	Paper	White	-40°C to 80°C	Thermal Transfer	General paper label applications as box or logistics labelling	
B-7608	Paper	White	-40°C to 80°C	Thermal Transfer	White woodfree coated thermal transfer printable paper for low cost general labelling applications	
B-7641	Polyolefin	White, Yellow, Black	-30°C to 105°C	Thermal Transfer	Wire marking, 2 to 1- shrink ratio heat shrinkable zero halogen tubing, meet the material and physical property requirements of SAE AS81531 and MIL-STD202 method 215K	HF
B-7642	Polyolefin	White, Yellow, Black	-40°C to 120°C	Thermal Transfer	Wire marking, 2 to 1- shrink ratio heat shrinkable tubing, meet the material and physical property requirements of SAE AS81531, MIL-STD202 method 215K and UL224	
B-7643	Polyether Polyurethane	White, Black, Yellow, Red, Green	-40°C to 90°C	Thermal Transfer	Wire and cable identification, zero halogen	HF
B-7646	Polyolefin	Yellow	-55°C to 135°C	Thermal Transfer	Wire marking, 3 to 1- shrink ratio heat shrinkable diesel resistant tubing, meet the material and physical property requirements of SAE AS81531, MIL-STD202 method 215K and the requirements of NF F 00-608 type A & H	
B-7696	Vinyl	White	-40°C to 70°C	Thermal Transfer	Rigid durasleeve insert, meet the requirements of UL94V0	
B-8010	Polyester	Black (on white)	-40°C to 170°C	Laser Engraving	B-8010 is CO2 and YAG laser markable for high performance applications such as rating plates requiring excellent solvent resistance. Background is white.	
B-8012	Polyester	White (on black)	-40°C to 170°C	Laser Engraving	B-8012 is CO2 and YAG laser markable for high performance applications such as rating plates requiring excellent solvent resistance. Background is white.	

UL *These materials are UL recognized.
HF Halogen free DIN VDE 0472 Part 815

SF *These materials are CSA approved.

Print Technology / Materials Cross-Reference Chart

Self-Laminating Labels

	Thermal Transfer	Laser	Dot Matrix
Vinyl Film	B-427 Self-Laminating Vinyl		B-292 Self-Laminating Vinyl
Polyester Film	B-461 Self-Laminating Polyester	B-361 Self-Laminating Polyester	B-361 Self-Laminating Polyester
Polyvinyl Fluoride Film (Tedlar®)	B-642 Self-Laminating Tedlar®		B-642 Self-Laminating Tedlar®

Paper Labels

	Thermal Transfer	Laser	Dot Matrix
Permanent Adhesive	B-424 Matt White Permanent Paper B-402 Matt White Permanent Low Cost Paper B-7604 Matt White Permanent Direct Thermal Paper B-7606 Matt White Permanent Paper B-7608 Matt White Permanent Paper	B-759 Matt White Permanent Paper	B-122 Matt White Tamper-Evident Paper B-609 Matt White Permanent Paper
Removable Adhesive	B-408 Matt White Repositional Paper		B-121 Matt White Smudge Resistant Removable Paper

Cloth Labels

	Thermal Transfer	Laser	Dot Matrix
Vinyl Cloth	B-498 Matt White Repositional Vinyl Cloth		B-502 Matt White Repositional Vinyl Cloth
Nylon Cloth	B-499 Matt White Nylon Cloth	B-799 Matt White Nylon Cloth	B-499 Matt White Nylon Cloth

Vinyl Labels

	Thermal Transfer	Laser	Dot Matrix
Tamper Evident	B-7351 Matt White Tamper Resistant Vinyl B-352 Matt Silver Tamper Resistant Vinyl		B-607 Matt White Tamper-evident Vinyl
Permanent, Non-Tamper Evident	B-439 Glossy White Permanent Vinyl (available in different colours)		

Polyolefin, Polypropylene and Polyethylene Labels

	Thermal Transfer	Laser	Dot Matrix
Permanent Adhesive	B-367 Gloss White or Silver Polypropylene B-407 Matt Super Clear Polyolefin B-425 Matt White Permanent Polyolefin B-7605 Matt White Permanent Polyethylene B-7594 Gloss White Permanent Polyolefin	B-409 Matt White Permanent Polyolefin	B-409 Matt White Permanent Polyolefin
Removable Adhesive	B-449 Matt White Removable Polyolefin		
Tamper Evident Products	B-429 Satin White Tamper Resistant Polyolefin	B-410 Matt 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
Permanent Acrylic Adhesive	B-423 Glossy White Permanent Polyester B-473 Glossy White Static Dissipative Polyester B-422 Glossy White Super Permanent Polyester B-459 Matt White Permanent Polyester B-488 High Performance Matt White Permanent Polyester B-7423 Glossy White Permanent Polyester B-8423 Satin White Permanent Polyester B-7573 Matt White Permanent Polyester B-7593 Gloss Polyester Tag (EPREP)	B-747 Matt White Permanent Polyester B-707 Rough Surface Matt White Permanent Polyester	B-619 Matt White Permanent Polyester
Tamper-evident	B-350 Glossy White Water Indicating Paper/Polyester B-7546 Glossy White Tamper Evident Polyester		
Permanent Rubber Adhesive	B-483 Ultra Aggressive Permanent Glossy White Polyester B-489 Ultra Aggressive Permanent Matt White Polyester		B-624 Rough Surface Matt White Permanent Polyester
Removable Adhesive	B-433 Glossy White Removable Polyester	B-709 Matt White Removable Polyester	

Clear Polyester Labels

	Thermal Transfer	Laser	Dot Matrix
Permanent Acrylic Adhesive	B-430 Glossy Clear Permanent Polyester B-432 Rough Surface Glossy Clear Permanent Polyester B-7552 Glossy Clear Permanent Polyester B-7551 Matt Clear Permanent 1 mil Polyester	B-722 Translucent Permanent Polyester B-712 Rough Surface Translucent Permanent Polyester	B-621 Matt Clear Permanent Polyester
Tamper-evident	B-7566 Glossy Clear Tamper Evident Polyester		

Metallised Polyester Labels

	Thermal Transfer	Laser	Dot Matrix
Permanent Acrylic Adhesive	B-428 Matt Metallised Polyester B-435 Glossy Metallised Permanent Polyester B-7531 Matt Metallised Permanent Polyester B-7563 Satin Metallised Permanent Polyester B-434 Rough Surface Glossy Metallised Permanent Polyester B-7593 Gloss Polyester Tag (EPREP)	B-773 Matt Metallised Permanent Polyester	B-969 Matt Metallised Permanent Polyester
Permanent Rubber Adhesive	B-486 Ultra Aggressive Matt Metallised Polyester		
Tamper Evident Labels	B-438 Satin Metallised Tamper Evident Polyester B-7576 Tamper Evident Metallised Polyester		
Removable Adhesive			B-673 Matt Metallised Removable Polyester

Metallic Non-Metal Polyester

	Thermal Transfer	Laser	Dot Matrix
Permanent Acrylic Adhesive	B-413 Metallic Enhanced Polyester		
Permanent Rubber Adhesive	B-480 Metallic Enhanced Polyester		

Print Technology / Materials Cross-Reference Chart

Polyvinyl Fluoride (Tedlar®) Labels

	Thermal Transfer	Laser	Dot Matrix
Permanent Acrylic Adhesive	B-437 Flame Retardant Tedlar®	B-737 Flame Retardant Tedlar®	B-637 Flame Retardant Tedlar® B-632 Low Profile Flame Retardant Tedlar®

Polyimide Labels

	Thermal Transfer	Laser	Dot Matrix
White Topcoat	B-416 Glossy Low Profile Polyimide B-457 High Temperature Glossy White Polyimide B-476 Glossy Light Green Polyimide B-477 Glossy White Static Dissipative Polyimide B-478 Glossy White Low Profile Static Dissipative Polyimide B-479 Matt White Low Profile Static Dissipative Polyimide B-487 High Temperature Matt White Polyimide B-496 Glossy White Polyimide B-497 Matt White Low Profile Polyimide		
Amber Topcoat	B-426 High Temperature Amber Polyimide B-436 Matt Amber Removable Polyimide	B-652 High Temperature Amber Polyimide	B-652 High Temperature Amber Polyimide

Tag Materials

	Thermal Transfer	Laser	Dot Matrix
Cloth Products			B-503 Matt White Flame Retardant Vinyl
Polyolefin Products	B-109 Matt White Polyethylene Tag B-411 Matt White Polyolefin Tag B-412 Matt White Polypropylene Tag B-7597 Satin Polyethylene Tag B-7599 Satin Polyethylene Tag		B-109 Matt White Polyethylene Tag
Vinyl Products	B-7596 Satin PVC Tag		
Polyaramid Paper Products			B-508 Nomex® Tag
Polyether Polyurethane Products	B-7643 Zero-halogen Polyether polyurethane Tag (Different Colours)		

Sleeves

	Thermal Transfer	Laser	Dot Matrix
Polyolefin	B-321 White Heat-shrinkable Polyolefin Sleeve B-322 White Heat-shrinkable, Self-extinguishing Polyolefin Sleeve B-341 2:1 White or Yellow Self-extinguishing Polyolefin Sleeve B-342 3:1 White or Yellow Self-extinguishing Polyolefin Sleeve B-7641 2:1 White or Yellow Zero Halogen Flame-retardant Heat Shrinkable Polyolefin Sleeve B-7642 2:1 White or Yellow Flame-retardant Heat Shrinkable Polyolefin Sleeve B-7646 3:1 Heat Shrinkable Polyolefin, Diesel Resistant Sleeve.		B-319 White Non Heat-shrinkable Polyolefin Sleeve B-321 White Heat-shrinkable Polyolefin Sleeve B-322 White Heat-shrinkable, Self-extinguishing Polyolefin Sleeve B-341 2:1 White or Yellow Self-extinguishing Polyolefin Sleeve B-342 3:1 White or Yellow Self-extinguishing Polyolefin Sleeve

Nomex® and Tedlar® are registered trademarks of DuPont.

UL & CSA Approvals

Several organisations need products to meet specific testing standards. Once a product is certified, the label on the product needs to represent the certification. In many cases, the label material will also be tested and certified. The testing assures the printed label is made from durable materials and will survive under typical use.

Brady has a range of materials and adhesives that meet UL and CSA approvals please visit the following websites to check our up to date material listings .

Underwriters Laboratories (UL) - Recognised Components to UL969 Marking and Labelling Systems standard. Listing information can be found online at www.ul.com.

Canadian Standard Association (CSA) - Accepted to C22.2 No. 0.15 Adhesive Labels standard and IAS US Requirement 4-88 Marking Systems (Gas) standard (formerly AGA). Listing information can be found online at www.csa-international.org.

UL Recognised Materials (UL969) marking and Labelling 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 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 Labelling 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 the labels by end users, with the listed dot matrix ribbons.

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 materials produced with approved printing processes.

**Technical Information on Brady's material range
can be found at www.bradyeurope.com**

Wire Conductor Dimension Guide

Size AWG.*	Type THW Wire O.D. (mm)	Circumference	Type THHN Wire O.D. (mm)	Circumference	Type Teflon® Wire O.D. (mm)	Circumference	Type PVC Wire O.D. (mm)	Circumference
22	-	-	-	-	1.52	4.77	1.57	4.93
20	-	-	-	-	1.73	5.43	1.75	5.50
18	2.74	2.64	2.26	7.10	2.01	6.31	2.00	6.28
16	3.00	9.42	2.54	7.98	2.26	7.10	2.34	7.35
14	4.11	12.91	2.67	8.38	-	-	3.50	10.99
12	4.55	14.29	3.10	9.73	-	-	4.01	12.59
10	5.05	15.86	3.89	12.21	-	-	4.65	14.60
8	7.01	22.01	5.54	17.40	-	-	6.35	19.94
6	8.20	25.75	6.53	20.50	-	-	-	-
4	9.45	29.67	8.33	26.16	-	-	-	-
3	10.19	32.00	9.04	28.39	-	-	-	-
2	11.00	34.54	9.86	30.96	-	-	-	-
1	12.90	40.51	11.43	35.89	-	-	-	-
1/0	13.95	43.80	12.47	39.16	-	-	-	-
2/0	15.11	47.45	13.64	42.83	-	-	-	-
3/0	16.43	51.59	14.94	46.91	-	-	-	-
4/0	17.91	56.24	16.41	51.53	-	-	-	-

*American Wire Gauge

RoHS Data



Compatible to EU Directive 2002 / 95 / RoHS

For the latest information on Brady products and RoHS legislation, please visit our website:
www.weerohs.bradyeurope.com/WEEE-RoHS

Registration, Evaluation, Authorization and restriction of Chemicals (REACH)



As of June 2007, the European Regulation 1907/2006 concerning the Registration, Evaluation, Authorization and restriction of Chemicals (REACH) came into force.

The objective of the legislation is to protect human health and the environment from the risks arising from the use of chemicals.

Two of the main obligations under REACH are:

- 1- Registration of all substances (in all its forms) put on the EU market and
- 2- Communication on Substances of Very High Concern (SVHCs) present in articles put on the EU market.

For the latest information on Brady products and Reach legislation, please visit our website:
www.bradyeurope.com/reach