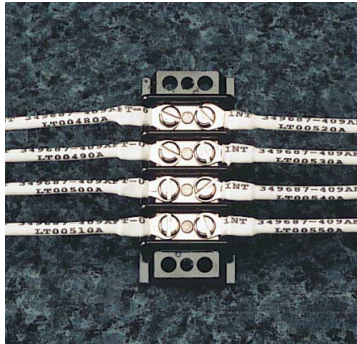
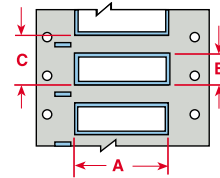


► 3-TO-1 SHRINK RATIO ONE-SIDED PRINTABLE PERMASLEEVE™ WIRE MARKERS



PermaSleeve markers fit snugly around wires for maximum insulation protection and permanent identification.



Brady PermaSleeve full-circle insulating wire markers meet the rigid insulating, material requirements and physical properties of MIL-DTL-23053/5 Class 1, MIL-M-81531, MIL-STD-202F, METHOD 215, and UL224. The heat-shrinkable irradiated polyolefin does not smudge or fade when printed. The unique flattened full-circle design provides fast, permanent wire marking. PermaSleeve markers may be printed on Brady's thermal transfer printers.

White Polyolefin (B-342) One-Sided Printable PermaSleeve Markers

Part Number	Markers Per Box	Range of Wire Dia. Inch (mm) Min. Max.	Approx. Wire Gauge**	Marker Width Inch (mm) A	Marker Height Inch (mm) B	Vertical Repeat Inch (mm) C	Recommended Ribbon
<b>1.500" Marker Width</b>							
PS-094-150-WT	2,500	0.023 (0.58)–0.080 (2.03)	28-18	1.500 (38.10)	0.182 (4.60)	0.500 (12.70)	R4300
PS-094-150-WT-S	500	0.023 (0.58)–0.080 (2.03)	28-18	1.500 (38.10)	0.182 (4.60)	0.500 (12.70)	R4300
PS-125-150-WT	2,500	0.046 (1.17)–0.110 (2.79)	22-16	1.500 (38.10)	0.235 (6.00)	0.500 (12.70)	R4300
PS-125-150-WT-S	500	0.046 (1.17)–0.110 (2.79)	22-16	1.500 (38.10)	0.235 (6.00)	0.500 (12.70)	R4300
PS-187-150-WT	2,500	0.062 (1.57)–0.150 (3.81)	18-12	1.500 (38.10)	0.335 (8.50)	0.625 (15.88)	R4300
PS-187-150-WT-S	500	0.062 (1.57)–0.150 (3.81)	18-12	1.500 (38.10)	0.335 (8.50)	0.625 (15.88)	R4300
PS-250-150-WT	2,500	0.094 (2.39)–0.215 (5.46)	16-10	1.500 (38.10)	0.439 (11.15)	0.750 (19.05)	R4300
PS-250-150-WT-S	500	0.094 (2.39)–0.215 (5.46)	16-10	1.500 (38.10)	0.439 (11.15)	0.750 (19.05)	R4300
PS-375-150-WT	1,000	0.125 (3.18)–0.320 (8.13)	12-6	1.500 (38.10)	0.645 (16.40)	1.000 (25.40)	R4300
PS-375-150-WT-S	250	0.125 (3.18)–0.320 (8.13)	12-6	1.500 (38.10)	0.645 (16.40)	1.000 (25.40)	R4300
PS-500-150-WT	500	0.187 (4.75)–0.450 (11.43)	8-1	1.500 (38.10)	0.851 (21.60)	1.250 (31.75)	R4300
PS-500-150-WT-S	250	0.187 (4.75)–0.450 (11.43)	8-1	1.500 (38.10)	0.851 (21.60)	1.250 (31.75)	R4300
<b>2.000" Marker Width</b>							
PS-094-2-WT	2,500	0.023 (0.58)–0.080 (2.03)	28-18	2.000 (50.80)	0.182 (4.60)	0.500 (12.70)	R4300
PS-094-2-WT-S	500	0.023 (0.58)–0.080 (2.03)	28-18	2.000 (50.80)	0.182 (4.60)	0.500 (12.70)	R4300
PS-125-2-WT	2,500	0.046 (1.17)–0.110 (2.79)	22-16	2.000 (50.80)	0.235 (6.00)	0.500 (12.70)	R4300
PS-125-2-WT-S	500	0.046 (1.17)–0.110 (2.79)	22-16	2.000 (50.80)	0.235 (6.00)	0.500 (12.70)	R4300
PS-187-2-WT	2,500	0.062 (1.57)–0.150 (3.81)	18-12	2.000 (50.80)	0.335 (8.50)	0.625 (15.88)	R4300
PS-187-2-WT-S	500	0.062 (1.57)–0.150 (3.81)	18-12	2.000 (50.80)	0.335 (8.50)	0.625 (15.88)	R4300
PS-250-2-WT	2,500	0.094 (2.39)–0.215 (5.46)	16-10	2.000 (50.80)	0.439 (11.15)	0.750 (19.05)	R4300
PS-250-2-WT-S	500	0.094 (2.39)–0.215 (5.46)	16-10	2.000 (50.80)	0.439 (11.15)	0.750 (19.05)	R4300
PS-375-2-WT	1,000	0.125 (3.18)–0.320 (8.13)	12-6	2.000 (50.80)	0.645 (16.40)	1.000 (25.40)	R4300
PS-375-2-WT-S	250	0.125 (3.18)–0.320 (8.13)	12-6	2.000 (50.80)	0.645 (16.40)	1.000 (25.40)	R4300
PS-500-2-WT	500	0.187 (4.75)–0.450 (11.43)	8-1	2.000 (50.80)	0.851 (21.60)	1.250 (31.75)	R4300
PS-500-2-WT-S	250	0.187 (4.75)–0.450 (11.43)	8-1	2.000 (50.80)	0.851 (21.60)	1.250 (31.75)	R4300





















2-to-1 Shrink Ratio White Polyolefin (B-341) One-Sided Printable PermaSleeve Markers




Part Number	Markers Per Box	Range of Wire Dia. Inch (mm) Min. Max.	Approx. Wire Gauge**	Marker Width Inch (mm) A	Marker Height Inch (mm) B	Vertical Repeat Inch (mm) C	Recommended Ribbon
<b>2.000" Marker Width</b>							
PS-1000-2-WT	250	0.450 (11.43)–0.950 (24.13)	1-500	2.000 (50.80)	1.660 (42.16)	2.000 (50.80)	R4300

\*\*Based on National Electric Code insulation measurement of THHN wire.

Sleeves may be perforated at factory for shorter marker lengths. Depending on overall length, sleeves may be perforated in halves, thirds or fourths. Contact your Brady Identification Solutions Distributor or Customer Service Representative for ordering information.

# Thermal Transfer Materials Chart

Type	Max. Service Temp. °F (°C)	Color	Finish	Use	Special Properties
<b>POLYIMIDE (continued)</b>					
B-477	662 (350) 80 sec.	White	Gloss	Top- or bottom-side board application for SMT or Through hole	Static dissipative adhesive and liner  
B-478	662 (350) 80 sec.	White	Gloss	Top- or bottom-side board application for SMT or Through hole	Static dissipative adhesive and liner, low profile construction, good contrast and smear resistance  
B-479	662 (350) 80 sec.	White	Matte	Top- or bottom-side board application for SMT or Through hole	Static dissipative adhesive and liner, low profile construction, excellent resistance to solder balling, matte finish  
B-487	662 (350) 80 sec.	White	Matte	Top- or bottom-side board application for SMT or Through hole	Excellent resistance to solder balling, matte finish 
B-497	662 (350) 80 sec.	White	Matte	Top- or bottom-side board application for SMT or Through hole	Low-profile construction, excellent resistance to solder balling, matte finish 
<b>POLYOLEFIN</b>					
B-407	194 (90) 30 days	Clear	Matte	General purpose labeling	Clear Polyolefin  
B-449	194 (90) 30 days	White	Matte	Temporary labeling application	Removable; good solvent resistance and print performance 
<b>POLYPROPYLENE</b>					
B-8425	194 (90) 30 days	White	Gloss	Rating plates and general purpose labeling	Excellent abrasion and smudge resistance  
<b>SLEEVE MATERIALS</b>					
B-341 Polyolefin	275 (135) 30 days	White	Matte	Wire marking	2-to-1 shrink ratio, self-extinguishing; meets MIL-1-23053/5 class 1; MIL-M-81531; MIL-STD-202F; method 215 and UL 224  
B-342 Polyolefin	275 (135) 30 days	White/Yellow	Matte	Wire marking	3-to-1 shrink ratio, self-extinguishing; meets MIL-1-23053/5 class 1; MIL-M-81531; MIL-STD-202F; method 215 and UL 224  
<b>TAG MATERIAL</b>					
B-109	176 (80) 30 days	White	Matte	Multi-purpose identification tag, where durability and computer printability are required	Cross-laminated polyethylene provides extreme tear resistance and excellent cold-weather performance
B-411	122 (50) 30 days	White	Matte	Tag material designed for general purpose marking	Spunbound polyolefin provides resistance to water and chemicals
B-412	212 (100) 30 days	White	Matte	Wire, cable and product inventory identification	Polypropylene tag designed for outdoor and harsh environmental applications or where tensile strength is needed
<b>TEDLAR®</b>					
B-437	275 (135) 30 days	White/Yellow	Matte	Aerospace and military cable marking	Self-extinguishing; available in white or yellow
<b>VINYL</b>					
B-351	212 (100) 30 days	White	Matte	Tamper-resistant labels	Flexible; solvent resistant; tamper-resistant
B-352	176 (80) 30 days	Silver	Matte	Tamper-resistant labels	Flexible; solvent resistant; tamper-resistant
B-427	158 (70) 30 days	White	Matte	Self-laminating wire and cable marking	Excellent abrasion and smudge resistance, perforations exist between each row of labels for easy tear-off or fan folding  
B-439	104 (40) 30 days	White/Colors	Gloss	Rating plates and general-purpose labeling	Available in 9 colors
<b>VINYL CLOTH</b>					
B-498	175 (80) 30 days	White	Semi-Gloss	Wire and electronic component marking	Repositionable adhesive 

-  These materials have static dissipative adhesives.
-  \*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-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 Polyvinylchloride	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.