

Thermal Transfer Materials Chart

Type	Max. Service Temp. °F (°C)	Color	Finish	Use	Special Properties
GLASS CLOTH					
B-520	932 (500) 10 min.	White	Matte	High temperature work in process ID	Label is pressure sensitive at room temperature and becomes permanently affixed at temperatures above 400C
NYLON CLOTH					
B-499	194 (90) 30 days	White	Matte	Wire and electronic component marking	Permanent adhesive; UL recognized 
PAPER					
B-402	158 (70) 30 days	White	Matte	Bar code and general labeling	Aggressive adhesive for bonding to corrugated, films, plastic and steel
B-408	70 (21) 30 days	White	Matte	Bar code and general labeling	Repositionable adhesive
B-424	158 (70) 30 days	White	Matte	Bar code and general labeling	Good contrast and smear resistance
POLYESTER					
B-422	248 (120) 30 days	White	Gloss	Electronic PCB and component; bar code label and rating plates	UL recognized/CSA accepted; 2 mil adhesive recommended for application on textured surfaces  
B-423	248 (120) 30 days	White	Gloss	Electronic PCB and component; bar code label and rating plates	UL recognized/CSA accepted/AGA accepted   
B-428	176 (80) 30 days	Silver	Matte	Rating plates; electronic component marking	UL recognized/CSA accepted/AGA accepted   
B-430	212 (100) 30 days	Clear	Gloss	General labeling rating/name plates	Translucent; UL recognized/CSA accepted  
B-432	212 (100) 30 days	Clear	Gloss	General labeling rating/name plates	Translucent; UL recognized/CSA accepted; 2 mil adhesive recommended for application on textured surfaces  
B-433	248 (120) 30 days	White	Gloss	Electronic component and PCB marking; bar code label and general-purpose ID	Removable adhesive; UL recognized 
B-434	194 (90) 30 days	Silver	Gloss	Rating plates and general-purpose labeling	UL recognized/CSA accepted; 2 mil adhesive recommended for application on textured surfaces  
B-435	212 (100) 30 days	Silver	Gloss	Rating plates and general-purpose labeling	Designed to withstand solvents while maintaining excellent image quality; UL recognized/CSA accepted/AGA accepted   
B-438	104 (40) 30 days	Silver	Matte	Rating plates and general-purpose labeling	Metallized; leaves footprint when removed; UL recognized 
B-459	212 (100) 30 days	White	Matte	Electronic PCB and component; bar code label and rating plates	UL recognized 
B-464	176 (80) 30 days	Silver	Gloss	Long distance bar code scanning	Retro-reflective surface
B-473	356 (180) 5 min.	White	Gloss	Electronic PCB and component; bar code labeling and rating plates	Static dissipative adhesive; UL recognized/CSA approved   
B-483	248 (120) 30 days	White	Gloss	General purpose labeling	Highest adhesion product for thermal transfer printing, designed for powder coated surfaces; UL/CSA  
B-486	248 (120) 30 days	Silver	Matte	Rating plates; electronic component marking	Highest adhesion product for thermal transfer printing, designed for powder coated surfaces; UL/CSA  
B-488	248 (120) 30 days	White	Matte	Electronic PCB and component; bar code label and rating plates	High performance matte white
B-489	212 (100) 30 days	White	Matte	General purpose labeling	Highest adhesion product for thermal transfer printing, designed for powder coated surfaces
B-7546	212 (100) 30 days	White	Gloss	Bar code label and rating plates	Tamper-evident; leaves "void" footprint when removed
B-7576	275 (135) 30 days	Silver	Matte	Serial and rating plates	Tamper-evident; leaves "void" footprint when removed
POLYIMIDE					
B-426	572 (300) 5 min.	Amber	Matte	Top- or bottom-side board application for SMT or Through hole	Withstands extremely high temperatures
B-436	572 (300) 5 min.	Amber	Matte	Printed circuit board and component marking	Label will remove cleanly after high-temperature exposure
B-457	500 (260) 5 min.	White	Gloss	Top- or bottom-side board application for SMT or Through hole	Good contrast and smear resistance; UL recognized 
B-477	500 (260) 5 min.	White	Gloss	Top- or bottom-side board application for SMT or Through hole	Static dissipative adhesive UL recognized  
B-478	500 (260) 5 min.	White	Gloss	Top- or bottom-side board application for SMT or Through hole	Static dissipative adhesive, low profile construction, good contrast and smear resistance; UL recognized  
B-479	500 (260) 5 min.	White	Matte	Top- or bottom-side board application for SMT or Through hole	Static dissipative adhesive, low profile construction, excellent resistance to solder balling, matte finish; UL recognized  
B-487	500 (260) 5 min.	White	Matte	Top- or bottom-side board application for SMT or Through hole	Excellent resistance to solder balling, matte finish UL recognized 
B-497	500 (260) 5 min.	White	Matte	Top- or bottom-side board application for SMT or Through hole	Low-profile construction, excellent resistance to solder balling, matte finish; UL recognized 

-  These materials have static dissipative adhesives.
-  These materials are UL recognized.
-  These materials are CSA approved.
-  These materials are AGA approved.

Thermal Transfer Materials Chart

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THERMAL TRANSFER PRINTERS & LABELS

THERMAL TRANSFER LABELS MATERIALS CHART

Type	Max. Service Temp. °F (°C)	Color	Finish	Use	Special Properties
POLYOLEFIN					
B-407	194 (90) 30 days	Clear	Matte	General purpose labeling	Clear Polyolefin; UL recognized/CSA approved  
B-425	194 (90) 30 days	White	Matte	Bar code label and general labeling	Excellent abrasion and smudge resistance; UL recognized/CSA approved/AGA accepted   
B-449	194 (90) 30 days	White	Matte	Temporary labeling application	Removable; good solvent resistance and print performance
SLEEVE MATERIALS					
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
TAG MATERIAL					
B-109	120 (49) 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 Polyolefin	122 (50) 30 days	White	Matte	Tag material designed for general purpose marking	Resistant to water and chemicals
B-412 Polypropylene	212 (100) 30 days	White	Matte	Wire, cable and product inventory identification	Designed for outdoor and harsh environmental applications or where tensile strength is needed
TEDLAR®					
B-437	275 (135) 30 days	White/Yellow	Matte	Aerospace and military cable marking	Self-extinguishing; available in white or yellow
VINYL					
B-351	212 (100) 30 days	White	Matte	Tamper-evident labels	Flexible; solvent resistant; tamper-resistant
B-352	194 (90) 30 days	Silver	Matte	Tamper-evident labels	Flexible; solvent resistant; tamper-resistant
B-400	175 (80) 30 days	White	Matte	Wire and electronic component marking	Repositionable adhesive
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; UL recognized/CSA approved  
B-439	104 (40) 30 days	White/Colors	Gloss	Rating plates and general-purpose labeling	Available in 9 colors

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