RoHS	**These materials are RoHS compliant.
UL	*These materials are UL approved.
cUL	These materials have been evaluated to Canadian safety requirements.
CSA	*These materials are CSA approved.
	These materials have static dissipative adhesives.

*Refer to the full page charts on pages 110–112 for more information and complete listing of parts.

Thermal Transfer Materials Chart

Brady Material Number	Finish	Color	Temperature Range	Properties & Applications	
Acetate					
B-358	Gloss	Clear	-94°F to 176°F (-70°C to 80°C) 5 min at 302°F (150°C)	Tamper resistant film with a permanent acrylic adhesive. Designed to fracture easily when removal is attempted. For use as package seals/closures.	RoHS
Nylon Cloth					
B-499	Matte	White	-40°F to 193°F (-40°C to 90°C) 5 mins at 293°F (145°C)	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. Not intended for outdoor use.	UL CSA RoHS
Paper					
B-402	Matte	White	-94°F to 158°F (-70°C to 70°C)	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.	RoHS
B-408	Matte	White	25°F to 158°F (4°C to 70°C)	Bar code and general labeling. Repositionable adhesive.	RoHS
B-424	Matte	White	-40°F to 122°F (-40°C to 50°C)	Top-coated, thermal transfer-printable with a permanent latex adhesive. Designed for use in labeling applications requiring a low-cost, general-purpose labeling material.	RoHS
Polyester					
B-413	Metallic	Silver	-94°F to 248°F (-70°C to 120°C)	Excellent PCB and component identification. Non-metallized metallic looking label.	UL cUL RoHS
B-422	Gloss	White	-40°F to 212°F (-40°C to 100°C)	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.	UL CSA RoHS
B-423	Gloss	White	-94°F to 248°F (-70°C to 120°C)	Thermal transfer-printable with a permanent acrylic adhesive. Electronic PCB and component; barcode label and rating plates.	UL CSA RoHS
B-430	Gloss	Clear	-40°F to 212°F (-40°C to 100°C)	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	UL CSA RoHS
B-432	Gloss	Clear	-40°F to 212°F (-40°C to 100°C)	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.	UL CSA RoHS
B-433	Gloss	White	-40°F to 212°F (-40°C to 100°C)	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.	UL RoHS
B-459	Matte	White	-40°F to 212°F (-40°C to 100°C)	A permanent acrylic-based adhesive. Designed for electronic component marking and general purpose applications requiring good solvent and heat resistance.	UL CSA RoHS
B-461	Matte	Clear	-320°F to 230°F (-196°C to 110°C)	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.	RoHS
B-464	Gloss	Silver	-40°F to 176°F (-40°C to 80°C)	Retro-reflective 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	Gloss	White	-40°F to 248°F (-40°C to120°C) 5 min at 354°F (180°C)	Static dissipative acrylic adhesive and static dissipative release liner. Ideal for bar code, printed circuit board and component identification.	UL CSA RoHS
B-480	Metallic	Silver	-94°F to 248°F (-70°C to 120°C)	Bar code labels, serial and rating plates requiring nameplate like quality. Adhesive designed for low surface energy or powder coated surfaces.	UL cUL RoHS
B-481	Matte	White	-112°F to 266°F (-80°C to 130°C)	Top coat and adhesive are formulated to withstand most laboratory staining processes.	RoHS
B-483	Gloss	White	-40°F to 248°F (-40°C to 120°C)	General purpose labeling. Highest adhesion product for thermal transfer printing, designed for powder coated surfaces.	UL CSA RoHS
B-484	Gloss	White	-40°F to 248°F (-40°C to 120°C)	1 mil white polyester with a permanent, ultra-agressive adhesive. Designed for powder-coated surfaces and curved/angled surfaces.	UL RoHS
B-488	Matte	White	-40°F to 320°F (-40°C to 160°C)	High performance material ideal for bar code labels or rating plates.	CSA RoHS
B-489	Matte	White	-40°F to 248°F (-40°C to 120°C)	Matte polyester with ultra aggressive, permanent adhesive. Designed for high adhesion to textured metals, low surface energy plastics, or powder coated surfaces.	UL CSA RoHS
B-490	Matte	White	-320°F to 266°F (-196°C to 130°C)	This material offers the unique ability to apply identification to a frost covered/cryogenically frozen surface.	RoHS