



BRADY LABORATORY

Material Guide

RECOMMENDED LAB MATERIALS

In demanding lab environments, choosing the right label is critical. Use this guide to learn about Brady's specially formulated materials designed to withstand extreme conditions including cryogenics, histology staining processes and chemical abrasion.

Labels	Applications											
	Autoclave	Color Laboratory	Conical Tube and Vial	PCR Tube Labels	Microcentrifuge Tube	Vial Top	Cryogenic	General Lab ID	Glassware and Container	Petri Dish	Microscope Slide	Microplate
B-461 Self-Laminating Cryogenic Polyester Labels Cryogenic (applied pre-frozen), cryo straws, small vials	—	—	—	•	•	—	•	—	—	—	—	—
B-481 StainerBondz™ Microscope Slide Matte Polyester Labels Chemical resistance, slides, tubes, general purpose testing	—	—	—	—	—	—	—	—	—	—	•	—
B-490 FreezerBondz™ Cryogenic Matte Polyester Labels Cryogenic, flat surfaces, boxes, long-term storage, pre-frozen surfaces	—	—	—	—	—	•	•	—	—	—	—	—
B-492 FreezerBondz™ Ultra-Thin Cryogenic Polyester Labels Cryogenic long-term storage, pre-frozen vials	—	—	—	•	•	•	•	—	—	—	—	—
B-494 Color Polyester Laboratory Labels Color-coded tube labeling, blood samples	—	•	—	•	•	•	—	—	—	—	—	—
B-7425 Chemical and Temperature Resistant Polypropylene Labels Cryogenic (applied pre-frozen), general purpose, long-term storage	•	—	•	—	•	•	•	•	•	•	—	•
B-7425J Cryogenic Inkjet Chemical and Temperature Resistant Polypropylene Labels Cryogenic (applied pre-frozen), general purpose, long-term storage	•	•	•	—	•	•	•	•	•	•	—	•
B-7425-AC Autoclave Polypropylene Labels Autoclave, glassware, short-term use, sterilization	•	—	•	•	•	—	—	—	•	—	—	—
B-403 Water Dissolvable Paper Labels Glassware (ensure proper disposal in sink)	—	—	—	—	—	—	—	—	•	—	—	—
B-2492 Freezerbondz™ Inkjet Ultra-Thin Cryogenic Polyester Laboratory Labels Cryogenic long-term storage, pre-frozen vials	—	•	—	•	•	—	•	—	—	—	—	—



For more information, visit BradyID.com/Lab



B-403

WATER DISSOLVABLE PAPER LABELS

Choose B-403 Water Dissolvable Paper Labels for complete label and adhesive removal. Ideal for laboratories, temporary identification needs and work-in-process product flows.



Specialized

In just 30 seconds, get complete label and adhesive removal with warm water by using this B-403 label material



Durable

Labels are water dissolvable, compatible with inkjet & THT print technologies — and resists abrasions, humidity and temperatures from -94° to 212°F (-70° to 100°C)



Adhesive

Made with dissolvable acrylic adhesive, which is ideal for labs, asset tracking and temporary ID



Certifications

RoHS compliant to 2011/65/EU (Pass 2015/863)

For material specific performance and properties, please refer to the Technical Data Sheet (TDS)



B-461

SELF-LAMINATING CRYOGENIC POLYESTER LABELS

Protect printing in cryogenic and autoclave conditions with B-461 Self-Laminating Cryogenic Polyester Labels. Print text, barcodes and graphics, then cover with clear film overlam.



Specialized

Clear overlamine protects text and barcodes on vials, centrifuge tubes, test tubes straws, and slides from liquid nitrogen to autoclaves



Durable

Labels withstand solvents, smudges and extreme temps from -320° to 266°F (-196° to 130°C)



Adhesive

Made with a permanent acrylic adhesive for tight bonding onto smooth surfaces like glass, stainless steel and copper



Certifications

RoHS compliant to 2011/65/EU (Pass 2015/863)

For material specific performance and properties, please refer to the Technical Data Sheet (TDS)



B-481 STAINERBONDZ™

MICROSCOPE SLIDE SATIN WHITE POLYESTER LABELS

Get high performance in the harshest lab environments. These polyester labels withstand the slide staining process with Xylene, Ethanol, Toluene and more — while remaining scannable.



Specialized

Engineered for harsh environments, B-481 StainerBondz™ label material withstands H&E (hematoxylin and eosin) slide staining process



Durable

Labels resist a wide variety of chemicals, oils and water and have a high/low temperature performance of -112 to 266°F (-80 to 130°C)



Adhesive

Made with a permanent acrylic adhesive for tight bonding onto flat, smooth, or textured surfaces



Certifications

RoHS compliant to 2011/65/EU (Pass 2015/863)

For material specific performance and properties, please refer to the Technical Data Sheet (TDS)



B-488

SOLVENT RESISTANT POLYESTER LABELS

Get superior scanning and slide labeling performance when working with harsh lab chemicals such as Xylene, Ethanol, Toluene, Isopropanol, MEK, DMSO and more in a wide temperature range.



Specialized

Use B-488 high-performance polyester label material for lab applications with numerous solvents and variable temps



Durable

Labels resist chemicals, abrasions, corrosion and humidity and have a high/low temperature performance of -40° to 320°F (-40° to 160°C)



Adhesive

Made with a permanent acrylic adhesive for tight bonding onto flat, smooth surfaces



Certifications

RoHS compliant to 2011/65/EU and 2015/863

For material specific performance and properties, please refer to the Technical Data Sheet (TDS)



B-490 FREEZERBONDZ™

CRYOGENIC MATTE POLYESTER LABELS

Securely mark lab samples on smooth, flat surfaces in challenging environments — like liquid nitrogen and freezers — with B-490 FreezerBondz™ labels.



Specialized

Aggressive adhesive labels are engineered for a wide range of lab ID applications on flat surfaces, including cryogenic storage boxes



Durable

Labels withstand solvents, smudges, liquid nitrogen, freezer applications and a high/low temperature range of -320° to 212°F (-196° to 100°C)



Adhesive

Permanent acrylic adhesive for tight bonding to flat glass, stainless steel, copper, or cardboard surfaces



Certifications

RoHS compliant to 2005/618/EC MCV amendment to RoHS Directive 2002/95/EC

For material specific performance and properties, please refer to the Technical Data Sheet (TDS)



B-492 FREEZERBONDZ™

ULTRA-THIN CRYOGENIC POLYESTER LABELS

Take on extreme temps and liquid nitrogen with B-492 FreezerBondz™ Ultra-Thin Cryogenic Polyester Labels. Apply directly to room temperature or pre-frozen glass, plastic and stainless steel — and the blackout label will cover up obsolete information when re-labeling.



Specialized

B-492 FreezerBondz™ labels are ideal for curved, frozen surfaces like vials, IVF straws, tubes and centrifuge samples



Durable

Labels withstand chemicals, abrasions, storage in liquid nitrogen and have a high/low temperature range of -320° to 212°F (-196° to 100°C)



Adhesive

Permanent acrylic adhesive for tight bonding onto smooth, curved surfaces, or wrapping around tubes and vials with a 1/8 in. overlap



Certifications

RoHS compliant to 2011/65/EU (Pass 2015/863)

For material specific performance and properties, please refer to the Technical Data Sheet (TDS)



B-494

COLOR POLYESTER LABORATORY LABELS

Keep your samples organized and your lab informed of what's inside. Add color to reduce errors, as well as increase efficiency and differentiation with B-494 Color Polyester Labels — ideal for vials and rounded surfaces.



Specialized

Add color and get chemical resistance to ethanol and xylene with this high-performance B-494 label material



Durable

Color printed below the label surface withstands liquid nitrogen, hot water baths and a high/low temp range of -320.8° to 158°F (-196° to 70°C)



Adhesive

Made with a permanent acrylic adhesive for tight bonding onto smooth surfaces



Certifications

RoHS compliant to 2011/65/EU and 2015/863

For material specific performance and properties, please refer to the Technical Data Sheet (TDS)



B-7425 HIGH PERFORMANCE LABELS

CHEMICAL AND TEMPERATURE RESISTANT POLYPROPYLENE

Read text and scan barcodes easily with high-performance B-7425 Chemical and Temperature Resistant Polypropylene that resists harsh lab processes and withstands cryogenic settings.



Specialized

Labels outlast extremes and are ideal for laboratory identification on vials, centrifuge tubes and test tubes



Durable

Labels resist chemicals, liquid nitrogen, other harsh environments and a high/low temperature range of -112° to 158°F (-80° to 70°C)



Adhesive

Made with a permanent acrylic adhesive for tight bonding onto smooth surfaces like glass, copper and stainless steel



Certifications

RoHS compliant to 2011/65/EU (Pass 2015/863)

For material specific performance and properties, please refer to the Technical Data Sheet (TDS)



B-2492 FREEZERBONDZ™

ULTRA-THIN CRYOGENIC POLYESTER LABELS

Need color for laboratory work involving liquid nitrogen, extreme temps and curved surfaces? Use B-2492 FreezerBondz™ Ultra-Thin Cryogenic Polyester Labels that combine high performance with the power of Brady inkjet printing. Apply directly to room temperature or pre-frozen glass, plastic and stainless steel. Plus, the blackout label will cover up obsolete information when re-labeling.



Specialized

Inkjet-printable B-2492 FreezerBondz™ labels are ideal for curved, frozen surfaces on vials, tubes and centrifuge samples.



Durable

Labels withstand chemicals, abrasions and storage in liquid nitrogen, and have a high/low temperature range of -320° to 212°F (-196° to 100°C).



Adhesive

Permanent acrylic adhesive for tight bonding onto smooth, curved surfaces, or wrapping around tubes and vials with a 1/8 in. overlap.



Certifications

RoHS compliant to 2011/65/EU (Pass 2015/863).



B-7425J INKJET

CHEMICAL AND TEMPERATURE RESISTANT POLYPROPYLENE LABELS

Create full-color identification and barcode labels that outlast liquid nitrogen, autoclave conditions and harsh chemicals with B-7425J polypropylene labels for Brady's inkjet systems.



Specialized

Inkjet printable B-7425J label material is ideal for full-color laboratory identification on vials, centrifuge tubes and test tubes



Durable

Labels withstand liquid nitrogen, autoclave conditions, harsh lab chemicals and a high/low temperature range of -112° to 158°F (-80° to 70°C)



Adhesive

Made with a permanent acrylic adhesive for tight bonding onto smooth surfaces like glass, copper and stainless steel



Certifications

RoHS compliant to 2011/65/EU and 2015/863

For material specific performance and properties, please refer to the Technical Data Sheet (TDS).

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LAB-READY LABELERS

INCREASE PRODUCTIVITY WITH ON-DEMAND PRINTING

PORTABLE PRINTERS

M210-LAB

Best for on-the-go labeling

- ▶ Create labels for tubes, beakers & bottles
- ▶ 12+ durable material types
- ▶ 0.25" - 0.75" wide



M511

Best for printing via mobile device

- ▶ Print within a 65' range with Bluetooth 5.0
- ▶ Create labels 0.24" - 1.5" wide
- ▶ Less waste with edge-to-edge printing



M510

Best for medium-sized labs

- ▶ Built to fit tight lab spaces
- ▶ Create labels 0.24" - 1.5" wide
- ▶ Design and print from keypad or PC



M611

Best for group connectivity

- ▶ Connect up to 5 devices at one time
- ▶ Save and store 1000+ labels
- ▶ Create labels 0.24" - 2.0" wide



BENCHTOP PRINTERS

i3300

Best for mid-volume printing

- ▶ Print up to 3,000 labels per day
- ▶ 75 material types
- ▶ Create labels 0.25" - 4.25" wide



J7300

Best for full-color printing

- ▶ Vibrant ink resists water, chemicals & abrasion
- ▶ Instant-dry inks won't smudge or smear
- ▶ Create labels 1.125" - 4.25" wide



i5300

Best for mid to high-volume printing

- ▶ Print up to 5000 labels per day
- ▶ 40+ material options
- ▶ Create labels 0.25" - 4.25" wide



i7100

Best for high-volume printing

- ▶ Print up to 7000 labels per day
- ▶ 100+ material types
- ▶ Create labels 0.158" - 4.33" wide



For more information, visit BradyID.com/Lab



We make products that make the world a safer and smarter place. From the depths of the ocean to outer space, from the factory floor to the delivery room — **we're just about everywhere you look.**

- For more information or to learn more about our innovative products, visit BradyID.com/Lab or call 1-888-272-3946.

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