



**B-414 THERMAL TRANSFER PRINTABLE WHITE BRADYGRIP™ LABEL STOCK**

TDS No. B-414  
 Effective Date: 7/23/2020

**Description:**

**GENERAL**

**Print Technology:** Thermal Transfer

**Materials Type:** White Polyester THT Printable Surface; Polypropylene Backing

**Finish:** Glossy

**Anchoring System:** Velcro® Brand hooks

**APPLICATIONS**

B-414 is designed to adhere to the loop side of hook-and-loop fasteners. Specific applications include wire and cable management products, such as Velcro® Brand One-Wrap®.

**RECOMMENDED RIBBONS**

Brady Series R6000 Halogen Free

**REGULATORY**

For information on the Weee-RoHS compliance status for a Brady Product go to one of the following websites:

In Canada: [www.bradycanada.ca/weee-rohs](http://www.bradycanada.ca/weee-rohs)

In Europe: [www.bradyeurope.com/rohs](http://www.bradyeurope.com/rohs)

In Japan: [www.brady.co.jp/products/labelsuse/rohs](http://www.brady.co.jp/products/labelsuse/rohs)

All other regions: [www.bradyid.com/weee-rohs](http://www.bradyid.com/weee-rohs)

**Details:**

PHYSICAL PROPERTIES	TEST METHOD	AVERAGE RESULTS
Thickness	ASTM D 1000 Total	0.015 inch (0.381 mm)
Shear Adhesion to: -Velcro® One-Wrap®	ASTM D 5169	69 lbf/in <sup>2</sup> (47 N/cm <sup>2</sup> )
Peel Adhesion to: -Velcro® One-Wrap®	ASTM D 5170 - 0.75" width - 0.25" width	7 ozf/in (80 gf/cm) 24 ozf/in (275 gf/cm)

Performance properties were tested on samples adhered to the loop side of Velcro® Brand One-Wrap® that was wrapped around a 1/2" diameter mandrel.

PERFORMANCE PROPERTIES	TEST METHOD	TYPICAL RESULTS
Long Term High Service Temperature	30 days at 50°C	No visible effect
Humidity Resistance	30 days at 100°F (38°C) and 95% relative humidity.	No visible effect
UV Light Resistance	30 days in Q-Sun™	Not evaluated for outdoor use
Weatherability	ASTM G155, Cycle 1 30 days in Xenon Arc Weatherometer	Not evaluated for outdoor use
Print Abrasion Resistance	20 eraser double rubs, 2 lb weight	Minimal effect

**Shelf Life:**

Shelf life is two years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80° F (27° C) and 60% RH. It remains the responsibility of the user to assess the risk of using this product. We encourage customers to develop testing protocols that will qualify a product's fitness for use in their actual application.

**Trademarks:**

Velcro® and One-Wrap® are registered trademarks of Velcro BVBA

BradyGrip™ is a trademark of Brady Corporation

All S.I. Units (metric) are mathematically derived from the U.S. Conventional Units

**Note:** All values shown are averages and should not be used for specification purposes.

Test data and test results contained in this document are for general information only and shall not be relied upon by Brady customers for designs and specifications, or be relied on as meeting specified performance criteria. Customers desiring to develop specifications or performance criteria for specific product applications should contact Brady for further information.

Product compliance information is based upon information provided by suppliers of the raw materials used by Brady to manufacture this product or based on results of testing using recognized analytical methods performed by a third party, independent laboratory. As such, Brady makes no independent representations or warranties, express or implied, and assumes no liability in connection with the use of this information.

**WARRANTY**

Brady products are sold with the understanding that the buyers will test them in actual use and determine for themselves their adaptability to their intended uses. Brady warrants to the buyers that its products are free from defects in material and workmanship, but limits its obligation under this warranty to replacement of the product shown to Brady's satisfaction to have been defective at the time Brady sold it. This warranty does not extend to any persons obtaining the product from the buyers. This warranty is in lieu of any other warranty, express or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose, and of any other obligations or liability on Brady's part. Under no circumstances will Brady be liable for any loss, damage, expense, or consequential damages of any kind arising in connection with the use, or inability to use, Brady's products.

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# BMP®21-PLUS Label Printer

BradyID.com/bmp21plus

Portable Printers



## BMP®21-PLUS LABEL PRINTER

**TOUGH on the Outside. SMART on the Inside.**

- Automatic-label formatting for wire wraps, patch panels, terminal-blocks, cable flags, circuit breaker arrays and general banner labels
- Drop-lock-and-print materials
- Passed shock and vibration testing per MIL-STD-810G Method 5.16.6 S4.6.5
- Rechargeable Li-ION battery
- Continuous-only supplies in 0.25" to 0.75" widths
- 70 total label parts, 7 materials
- Label grabber holds label after cutting
- 104 symbols for electric, smart home, safety and datacom
- 2-year warranty

**▶ Online Video!**  
Visit [BradyID.com/bmp21plus](http://BradyID.com/bmp21plus) to watch the printer video or request a printer demo.

**Your Complete Printing Solution:**  
BMP®21-PLUS cartridges with label and print ribbon ..... page 291



BMP21-PLUS Printer Kit shown.

### BMP®21-PLUS Printer Specifications

<b>Max Labels Per Day</b>	Average 100 labels/day
<b>Print Resolution</b>	203 dpi
<b>Print Technology</b>	Thermal transfer
<b>Print Speed</b>	10mm/sec (0.4 in/sec)
<b>Tape Widths (inches)</b>	Various sizes from 0.250" to 0.750"
<b>Tape Widths (mm)</b>	Various sizes from 6.4 mm to 19.1 mm
<b>Max Label Width</b>	0.75" (19.1 mm)
<b>Max Print Width</b>	0.63" (16 mm)
<b>Memory</b>	16MB, 10 Labels (2MB available for storage)
<b>Materials Supported</b>	M21- Series Cartridges 70+ Stock Parts
<b>Continuous vs Die Cut Labels</b>	Continuous Only
<b>Connectivity Options</b>	Not Applicable
<b>PC Connectivity</b>	No
<b>Software Compatibility</b>	No
<b>File Transfer from PC to printer</b>	No
<b>Wireless Connectivity</b>	No
<b>Stand Alone Printing</b>	Yes
<b>Color Capability</b>	Single print color on a label
<b>Keyboard</b>	ABC or Cyrillic
<b>Backlit Screen</b>	2" x 1", user adjustable backlit
<b>Text Sizes</b>	6-40 pt with Autosizing
<b>Multi-Line Print</b>	Yes
<b>Print Rotation</b>	No
<b>Serialization</b>	Yes
<b>Barcode</b>	39 and 128
<b>Symbols Categories</b>	104
<b>Portability</b>	Yes
<b>Label Types or Application Functions</b>	PermaSleeve® Heat Shrink Tubing, Permanent Polyester, Self-laminating Vinyl, Clear Polyester, High Performance Polyester, Nylon Cloth, Indoor/Outdoor Vinyl, Polypropylene
<b>Applications</b>	Basic labels for Wire and Cable ID, Datacomm and AV labeling, Inside-panel Component Labeling, and General Industrial Labels for Maintenance, Production and Visual Workplace/Lean 5S.
<b>Power Supply</b>	6 AA batteries, AC adapters: US 110V, UK 240V, Europe 220V, or Lithium Ion Rechargeable Battery
<b>Weight</b>	1.66 lbs (0.75 kg)
<b>Warranty</b>	2 years

### BMP®21-PLUS Label Printer & Accessories

Catalog #	Description
BMP21-PLUS	BMP21 Label Printer*
BMP21-PLUS-KIT1	BMP21 Label Printer Kit**
BMP21-MAGNET	Magnet Only Accessory
BMP21-TOOL	Multi-functional Tool Accessory (magnet / flashlight / retractable stand)
M-AC-110937	AC Power Adapter / Charger
BMP21-PLUS-BATT	Li-ION Battery Pack
BMP21-PLUS-HC	Hard Case

\* Printer includes label cartridge, lanyard and quick start guide (batteries not included).

\*\* Printer kit includes: printer, label cartridge, Li-ION battery, AC power / charger, hard case, lanyard and quick start guide.

US Patent No. 8.322.936.

## An affordable label and wire marker printer designed for the tool box



Electrical Labeling



Voice & Data Communications



Self-Laminating Wire Labels



PermaSleeve® Wire Marking Sleeves



General ID



Lean / 5S Labels and Operations ID