

**BRADY B-8463 DAMPING PAD - ACRYLIC PRESSURE SENSITIVE ADHESIVE WITH POLYESTER FILM BACKING**

TDS No. B-8463  
Effective Date: 04/18/2019

**Description:**

**GENERAL**

**Material Type:** 2.0 mil clear polyester film

**Adhesive:** 9.0 mil high tack, acrylic-based, permanent pressure sensitive adhesive

**Release Liner:** white kraft paper

**APPLICATIONS**

Brady Damping Pad is designed as a viscoelastic damping treatment to be applied between components where relative vibratory motion is present. The energy dissipating properties of the material provide excellent damping at room temperature as the material is subject to cyclic strain. The soft, cushioning nature of the thick material helps reduce unwanted squeak and rattle issues where components otherwise make hard contact.

**REGULATORY APPROVALS**

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)

**SPECIAL FEATURES**

The adhesive side of the Damping Pad provides excellent bonding to most substrates with light contact pressure at room temperature. The Damping Pad can be converted to any part shape.

**Details:**

PHYSICAL PROPERTIES	TEST METHOD	AVERAGE RESULTS
Thickness	ASTM D 1000 -Substrate -Adhesive -Total (excluding liner)	0.0020 inch (0.051 mm) 0.0090 inch (0.229 mm) 0.0110 inch (0.279 mm)
Adhesion to:	ASTM D 1000	
-Stainless Steel	20 minute dwell 24 hour dwell @ 70 °C	158 oz/in (43.9 N/25mm) 188 oz/in (52.3 N/25mm)
-Smooth ABS	20 minute dwell 24 hour dwell @ 70 °C	165 oz/in (45.9 N/25mm) 203 oz/in (56.4 N/25mm)
Tack	ASTM D 2979 Polyken™ Probe Tack 1 second dwell	1112 g
Shear Adhesion Failure Temperature (SAFT)	ASTM D4498-95 (except use 25mm X 25mm X 1Kg)	50°C
Typical Release	ASTM D 1000	3 - 25 g/inch
Peak Damping Value	ASTM E 756	Material Damping @ 1000 Hz  Temp (°F)    Eta* 0            0.70 25          1.18 50          1.45 75          1.30 100        1.00 125        0.78 150        0.63  *Eta = G"/G'

**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:**

ASTM: American Society for Testing and Materials (U.S.A.)  
Polyken™ is a trademark of Testing Machines Inc.

**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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