

## Foam Tape



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### Introduction

Panduit double-coated polyethylene foam mounting tape provides a means for holding, joining, or bonding to a wide variety of surfaces. Panduit foam mounting tape offers the advantage of lower installed cost with a safe, easy to use, quality tape product.

### Markets

- Electronic Components
- Transportation Industry
- Packaging Industry
- Appliance Manufacturing
- Furniture Manufacturing

### Product Applications

Mounting - Provides a neat, clean, easy to use method to secure name plates, plastic or metal trim, logos, smoke alarms, hooks, bathroom accessories, air fresheners, cup dispensers or holders, phone jacks, signs, reflectors.....

Assembling - An alternative to other fastening methods for refrigerator doors, stereo speakers, air conditioners, x-ray equipment, and other machinery...

Joining - Will adhere to dissimilar surfaces such as glass, metal, wood plastic.....

### Product Features

- Thorough Quality Control Testing insures consistent product quality. Each production lot is traceable to date and conditions of manufacture by reference to the quality control number on each roll.
-  -- Both rubber and acrylic adhesive tapes are **UL** recognized\*
- Only high density, closed cell cross linked polyethylene foam is used
- Once properly applied, lower temperatures do not adversely affect the bond
- Adheres to a variety of surfaces
- Easy to use and apply
- Packaging in sealed bags for standard rolls gives long shelf life
- Functional part number system



\* Panduit foam tapes comply to UL746C (File # MH17481)

## Foam Tape

### Types of Adhesive

Panduit foam tape is available with either rubber or acrylic adhesive. Refer to the charts below to determine which adhesive is best for an individual application.

**Rubber Adhesive Tape** is generally used for many applications where moderate temperatures are involved. It offers better initial adhesion than most acrylics and adheres better to a wide variety of materials.

**Acrylic Adhesive Tape** has a higher temperature rating and is generally used where exposure to ultraviolet light will occur. Acrylic adhesive ages better than rubber adhesive and also resists moisture better.

| ADHESIVES CHARACTERISTICS  | RUBBER | ACRYLIC |
|----------------------------|--------|---------|
| Temperature Resistance     | Good   | Best    |
| Moisture Resistance        | Good   | Best    |
| Initial Adhesion           | Best   | Fair    |
| Long Term Adhesion         | Good   | Good    |
| Shear Strength             | Best   | Good    |
| Normal Tensile Strength    | Best   | Good    |
| Initial 180° Peel Adhesion | Best   | Good    |
| Solvent Resistance         | Good   | Good    |
| UV Resistance              | Fair   | Best    |
| Life                       | Good   | Best    |

### Surfaces

Adhesive- surface selection chart

**Adhesive**  
 R = Rubber  
 A = Acrylic

**Performance**  
 1 = Best  
 2 = Good  
 3 = Fair

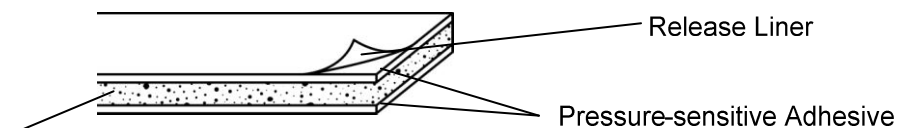
|               | Polyolefin | Nylon      | Rubber     | Paper      | Metal      | Glass      | Paint      | Acrylic    | Poly-styrene | ABS        | Poly-carbonate | Vinyl, Rigid |
|---------------|------------|------------|------------|------------|------------|------------|------------|------------|--------------|------------|----------------|--------------|
| Vinyl, Rigid  | R-3<br>A-3 | R-1<br>A-2 | R-1<br>A-3 | R-1<br>A-2 | R-2<br>A-1 | R-2<br>A-1 | R-1<br>A-1 | R-2<br>A-1 | R-2<br>A-1   | R-1<br>A-2 | R-2<br>A-1     | R-2<br>A-1   |
| Polycarbonate | R-2<br>A-3 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-1 | R-2<br>A-1 | R-1<br>A-2 | R-1<br>A-1 | R-1<br>A-2   | R-1<br>A-2 | R-1<br>A-2     | **           |
| ABS           | R-2<br>A-3 | R-1<br>A-2 | R-1<br>A-3 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2   | R-1<br>A-2 | **             | **           |
| Polystyrene   | R-3<br>A-3 | R-1<br>A-3 | R-1<br>A-3 | R-1<br>A-3 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2   | **         | **             | **           |
| Acrylics      | R-2<br>A-3 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-1 | R-1<br>A-1 | R-1<br>A-1 | R-2<br>A-1 | **           | **         | **             | **           |
| Paint         | R-2<br>A-3 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-1 | R-1<br>A-1 | R-1<br>A-2 | **         | **           | **         | **             | **           |
| Glass         | R-2<br>A-2 | R-1<br>A-1 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-1 | R-2<br>A-1 | **         | **         | **           | **         | **             | **           |
| Metal*        | R-2<br>A-3 | R-1<br>A-1 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-1 | **         | **         | **         | **           | **         | **             | **           |
| Paper         | R-3<br>A-3 | R-1<br>A-2 | R-1<br>A-2 | R-1<br>A-2 | **         | **         | **         | **         | **           | **         | **             | **           |
| Rubber        | R-2<br>A-3 | R-1<br>A-3 | R-1<br>A-3 | **         | **         | **         | **         | **         | **           | **         | **             | **           |
| Nylon         | R-2<br>A-3 | R-1<br>A-2 | **         | **         | **         | **         | **         | **         | **           | **         | **             | **           |
| Polyolefins   | R-3<br>A-3 | **         | **         | **         | **         | **         | **         | **         | **           | **         | **             | **           |

\*Acceptable on metals such as stainless steel, aluminum, tin, etc., not recommended on copper or brass

## Foam Tape

### Properties & Performance\*

Closed cell cross-linked Polyethylene foam.



|                                                          |                             | Rubber Adhesive                  | Acrylic Adhesive |
|----------------------------------------------------------|-----------------------------|----------------------------------|------------------|
| Nominal Thickness & General Part Number                  |                             | 1/32*<br>P32W2R1                 | 1/32*<br>P32W2A2 |
| Foam Material                                            |                             | Polyethylene                     | Polyethylene     |
| Foam Density (lb/ft³)                                    |                             | 6                                | 6                |
| Liner                                                    |                             | Poly-coated Bleached Kraft Paper |                  |
| Thickness (in.)<br>(PSTC-133)                            | Total                       | .040                             | .039             |
|                                                          | Less Liner                  | .035                             | .034             |
| 180° Peel Adhesion<br>(1 hour dwell)                     | Roll Side                   | Foam Rip                         | Foam Rip         |
|                                                          | Liner Side                  | Foam Rip                         | Foam Rip         |
| Static Shear<br>MIL-T-60394A<br>(Hours)                  | 72°F / 17.6 psi             | 500+                             | N/A              |
|                                                          | 72°F / 8.8 psi              | 1000+                            | N/A              |
|                                                          | 158°F / 2.2 psi             | 100+                             | 200+             |
| Tensile Strength (lbs./in. width)<br>(PSTC-131)          |                             | 5                                | 5                |
| Elongation % (PSTC-131)                                  |                             | 500                              | 500              |
| Normal Tensile<br>(psi)                                  |                             | 65                               | 50               |
| Temperature<br>Resistance (°F)                           | Continuous                  | -20 to 120                       | -20 to 180       |
|                                                          | Intermittent<br>(< 8 hours) | 156                              | 200              |
| Shelf Life (yrs)<br>at 70° F/ 50% R.H. (in original bag) |                             | 5                                | 5                |
| Shelf Life (yrs)<br>at 70° F/ 50% R.H. (outside of bag)  |                             | 2                                | 2                |

\* Test data has been obtained using standard test methods and typical results are given; not to be used for specification purposes

## Foam Tape

### Product Selection

### Part Number System

|                          |                         |                         |                             |                                   |                                                                                            |                           |
|--------------------------|-------------------------|-------------------------|-----------------------------|-----------------------------------|--------------------------------------------------------------------------------------------|---------------------------|
| <b><u>P</u></b>          | <b><u>32</u></b>        | <b><u>W</u></b>         | <b><u>2</u></b>             | <b><u>R1</u></b>                  | <b><u>100</u></b>                                                                          | <b><u>72</u></b>          |
| Type<br>P = Polyethylene | Thickness<br>32 = 1/32" | Foam color<br>W = White | 2= Double Sided<br>adhesive | R1 = Rubber based<br>A2 = Acrylic | Width in inches<br>multiplied by 100<br>50 = 1/2"<br>75 = 3/4"<br>100 = 1"<br>150 = 1 1/2" | Length (yards)<br>7<br>72 |

### Complete list of part numbers.

| TYPE                             | PANDUIT PART NUMBER |
|----------------------------------|---------------------|
|                                  | 1/32" THICK         |
| RUBBER ADHESIVE<br>DOUBLE-SIDED  | P32W2R1-50-7        |
|                                  | P32W2R1-75-7        |
|                                  | P32W2R1-100-7       |
|                                  | P32W2R1-50-72       |
|                                  | P32W2R1-75-72       |
|                                  | P32W2R1-100-72      |
|                                  | P32W2R1-150-72      |
| ACRYLIC ADHESIVE<br>DOUBLE-SIDED | 1/32" THICK         |
|                                  | P32W2A2-50-7        |
|                                  | P32W2A2-75-7        |
|                                  | P32W2A2-100-7       |
|                                  | P32W2A2-50-72       |
|                                  | P32W2A2-75-72       |
|                                  | P32W2A2-100-72      |

Available in widths of 1/2", 3/4" 1" (Rubber & Acrylic)  
Available in widths of 1 1/2" (Rubber Only)

## Convenient Carton Quantities

Rolls of Panduit Foam Tape are conveniently packaged so that you can order in multiples of carton quantity for best delivery and pricing.



## Foam Tape

### Application Techniques

#### Temperature

It is recommended that Panduit adhesive tape be applied on surfaces whose temperature is approximately 70° F ( 21° C) or higher for the initial bond, for best results.

#### Dwell Time

Panduit foam mounting tape develops an immediate bond to most surfaces. Adhesive strength and performance will increase with time after initial application. The optimum recommended dwell time prior to loading for rubber adhesive is 2 hours and for acrylic adhesive is 8 hours.

#### Preparation

Panduit tape should be applied to a clean, dry, grease-free surface with sufficient pressure to assure good adhesive contact. Avoid adhesive contamination with foreign material.

#### Amount of Tape to Use

Recommended loading is ½ pound per square inch of tape area. Testing should be performed for each type of loading on various surfaces, before use.

#### Tape Removal

A thin wire or razor blade can be moved between surfaces to remove adhesive tape. A solvent or scraper may remove the remaining residue.



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- Поставка сложных, дефицитных, либо снятых с производства позиций;
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#### Как с нами связаться

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