



## PRODUCT DATA SHEET

**PRODUCT CODE: 3968153 / 3968151**

**PRODUCT DESCRIPTION:** Anisotropic Magnet sheet with 3M9448A non-woven carrier coated with acrylic adhesive

**STANDARD THICKNESS:** 0.9mm (+/- 0.03mm)

**STANDARD WIDTH:** 100mm, 150mm(+ / -0.05mm)

**STANDARD LENGTH:** 150mm(+0.05m )

### MAGNETIC PROPERTIES

Maximum Energy Product: 1.10-1.30MGOe

Remanence: 2100-2400G

Coercivity: 1900-2200Oe

Intrinsic Coercivity: 3600-3100Oe

### MAGNETIC POLE WIDTH AND MAGNETIC PULL

Magnetic Pole Width: 2.5 MM

Thickness of Magnetic Material	Magnetic Pull (g/cm)
0.9 mm (100mm width)	85-87
0.9mm (150mm width)	85-87

### PHYSICAL PROPERTIES

Flexibility: can be wrapped around a rod with a 10mm radius at 20°C without cracking

Specific Gravity: 3.5 to 3.7 g/cm<sup>3</sup>

Cutting: Scissor cutting, knife-cutting, die-cutting, and slitting can be done with ease.

### TEMPERATURE RESISTANCE

End-use temperature range: - 20°C / + 50°C

**3M 9448 Self adhesive**



## **Double Coated Tissue Tape 9448A/9448AB**

**Product description 9448A/9448AB:** 3M™ Double Coated Tissue Tape for dimensional stability and improved handling with ease of die cutting and laminating. The high adhesion adhesive provides excellent adhesion to a variety of surfaces.

### **Construction 9448A/9448AB**

Faceside **1** Adhesive Type/Thickness: Acrylate /0.003"(0.076mm)

Backside **2** Adhesive Type/Thickness: Acrylate/0.003"(0.076mm)

Liner Color, Type, Print White, 120gsm PCK , 3M logo

Liner Caliper: 0.0056" (0.14mm)

Carrier Type: Tissue

Tape color: Translucent/Black

## **TM Double Coated Tissue Tape 9448A/9448AB**

**Note : The following technical information and data should be considered representative or typical only and should not be used for specification purposes.**

180 degree peel adhesion ASTM D3330, 2mil PET backing

Adhesion to Stainless steel N/100mm

- 30 minute RT 135

- 72 hours RT 140

Adhesion to PC

- 30 minute RT 135

- 72 hours RT 140

Adhesion to PP

- 30 minute RT 100

- 72 hours RT 105



Shear Strength – ASTM D3654

(1 inch<sup>2</sup> sample size)

1000grams at 72° F 5000 minutes

Relative solvent resistance Medium

UV Resistance Medium

Relative High Temperature

Operating Ranges:

Long Term (days, weeks) 70

Short Term (minutes, hours) 150

Shelf Life of Tape in Roll Form 24 months from date of manufacture when stored in original cartons at 70° F

## **™ Double Coated Tissue Tape 9448A/9448AB**

**Application** Bond strength is dependent upon the amount of adhesive-to-surface **Techniques** contact developed. Firm application pressure helps develop better adhesive contact and improves bond strength.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.

**Note:** Carefully read and follow the manufacturer's precautions and directions for use when working with solvents.

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C).

Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily.

However, once properly applied, low temperature holding is generally satisfactory.

**General** All tapes have a tissue carrier, which can add dimensional stability to

**Information** foams and other substrates. The carrier also provides easier handling during slitting and die-cutting.

**Features** 3M™ Adhesive is a medium-firm acrylic adhesive system featuring both high initial adhesion and good high temperature holding power.

**Application** • Nameplate bonding

**Ideas** • Plastic film lamination/bonding

• Foam bonding



### **Application Equipment**

To apply adhesives in a wide web format, lamination equipment is required to ensure acceptable quality. To learn more about working with pressure-sensitive adhesives please refer to technical bulletin, Lamination Techniques for Converters of Laminating Adhesives.

For additional dispenser information, contact your local 3M sales representative.