



# Technical Data Sheet

## 3M™ Splicing Tape 9420



[Regulatory Info/SDS](#)

### **Product Description**

3M™ Splicing Tapes utilize an acrylic pressure sensitive adhesive system that offers a balance of initial adhesion and good holding power.

### **Product Features**

The red color of 3M™ Splicing Tape 9420 may cause some discoloration. The user should evaluate the tape to determine whether it is fit for the user's particular purpose.

### **Technical Information Note**

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

### **Typical Performance Characteristics**

Temperature: 22 °C (72 °F)

Attribute Name	Test Method	Value
180° Peel Adhesion	ASTM D3330	2.7 N/cm (25 oz/in) <sup>1</sup>

<sup>1</sup> 12 in/min (300 mm/min)

Attribute Name	Value
Short Term Temperature Resistance	82 °C (180 °F) <sup>1</sup>
Long Term Temperature Resistance	65 °C (150 °F) <sup>2</sup>

<sup>1</sup> Short Term (minutes, hour)

<sup>2</sup> Long Term (day, weeks)

### **Typical Environmental Performance**

Attribute Name	Value
Solvent Resistance	Good
UV Resistance	Excellent

## **Handling/Application Information**

### **Application Examples**

- 3M tape 9420 can be used for flying splices on paper and film where easy visibility for removal of spliced area is desirable.

### **Application Techniques**

- Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure helps develop better adhesive contact and improve bond strength.
- To obtain optimum adhesion, the bonding surfaces must be clean, dry, and well unified.
- 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.

## **Storage and Shelf Life**

Store under normal conditions of 16° to 27°C (60° to 80°F) and 40 to 60% relative humidity in the original packaging, out of direct sunlight. For best performance, use this product within 24 months from date of manufacture.

## **Available Sizes**

<b>Attribute Name</b>	<b>Width</b>	<b>Value</b>
Core Size (ID)		76.2 mm (3 in)
Maximum Available Width		1219 mm (48 in)
Maximum Length	1/4 in to 3/8 in widths	165 m (180 yd)
Maximum Length	3/8 in to 1/2 in width	165 m (180 yd)
Maximum Length	2 in and greater	329 m (360 yd)
Maximum Length	1/2 to 2 in widths	329 m (360 yd)
Minimum Available Width		6.35 mm (1/4 in)
Normal Slitting Tolerance		± 0.8 mm (± 1/32 in)
Note		Subject to Minimum Order Requirements
Standard Roll Length		32.9 m (36 yd)

## **Information**

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## **ISO Statement**

This product was manufactured under a 3M quality system registered to ISO 9001 standards.

## **For Additional Information**

To request additional product information or to arrange for sales assistance, call toll free 1-800-362-3550 or visit [www.3M.com/adhesives](http://www.3M.com/adhesives).

3M™ Industrial Adhesives and Tapes Division  
3M Center, St. Paul, MN 55144-1000  
[3M.com/iatd](http://3M.com/iatd)

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