



# Technical Data Sheet

## 3M™ Double Coated PET Tape 55256P

### Product Description

3M™ Double Coated PET Tape 55256P is a double coated pressure sensitive adhesive product. Acrylic pressure sensitive adhesive is coated on both sides of flexible PET film. Stable dimensions and easy to die-cut.

### 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 Physical Properties

Attribute Name	Test Method	Test Condition	Value
Color			Clear
Adhesive Thickness		Faceside	0.019 mm (0,74 mil) <sup>1</sup>
Adhesive Thickness		Backside	0.019 mm (0,74 mil) <sup>2</sup>
Carrier Thickness	PSTC-133		0.012 mm
Total Tape Thickness	ASTM D3652		0.051 mm (1.97 mil)
Liner Print			White glassine green 3M logo
Liner Thickness			0.076 mm (2.99 mil)

<sup>1</sup> Faceside adhesive is on the interior of the roll, exposed when unwound and liner removed.

<sup>2</sup> Backside adhesive is on the exterior of the roll, exposed when liner is removed.

### Typical Performance Characteristics

#### 180° Peel Adhesion

Temperature: 23 °C (73 °F)

Test Method: ASTM D3330

Dwell Time	Substrate	Value
20 min	Polycarbonate (PC)	7 N/cm <sup>1</sup>
20 min	Stainless Steel	7.5 N/cm <sup>1</sup>
72 h	Polycarbonate (PC)	7.5 N/cm <sup>1</sup>
72 h	Stainless Steel	8 N/cm <sup>1</sup>

<sup>1</sup> 304 mm/min (12 in/min)

Temperature: 23 °C (73 °F)

Test Condition: 1000 g

Attribute Name	Value
Static Shear	10,000 min <sup>1</sup>

<sup>1</sup> 25 x 25 mm (1 in x 1 in) sample area, test terminated after 10,000 minutes

## **Handling/Application Information**

### **Application Techniques**

Bond strength is dependent upon the amount of adhesive-to-surface 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/water mixture 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.

### **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.

### **Information**

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### **ISO Statement**

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

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