



## Technical Data Sheet

### 3M™ Ultra Clear Double Coated PET Tape UCT-50



[Product Details](#)



[Regulatory Info/SDS](#)

#### Product Description

3M™ Ultra Clear Double Coated PET Tape UCT-50 is a double sided tape, produced in a clean room, with a thin polyester (PET) film carrier for dimensional stability and improved handling. The high tack adhesive provides high initial adhesion and good shear holding power to a variety of surfaces.

#### Product Features

- Non-silicone acrylic adhesive - leaves no silicone residue
- Good tack and instantaneous adhesion
- PET film carrier provides dimensional stability, making it easy to process and 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
Adhesive Type			Acrylic
Adhesive Thickness		Faceside	0.019 mm (0.75 mil) <sup>1</sup>
Adhesive Thickness		Backside	0.019 mm (0.75 mil) <sup>2</sup>
Carrier Thickness	ASTM D3652		0.012 mm (0.47 mil)
Total Tape Thickness	ASTM D3652		0.051 mm (1.97 mil)
Total Thickness with liner			0.166 mm (6.5 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

Substrate: Stainless Steel  
Temperature: 23 °C (73 °F)  
Dwell Time: 72 h  
Backing: 2 mil PET

Attribute Name	Test Method	Value
90° Peel Adhesion	ASTM D3330	8.1 N/cm <sup>1</sup>

<sup>1</sup> 300 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

Attribute Name	Value
Short Term Temperature Resistance	177 °C <sup>1</sup>
Long Term Temperature Resistance	80 °C <sup>2</sup>

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

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

## **Handling/Application Information**

### **Application Examples**

- General use for applications in the electronics and appliance industry in need of excellent initial tack, good adhesion and ease of die cut
- Cellular phone lens attachment
- Tablet lens attachment

## **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 18 months from date of manufacture.

## **Available Sizes**

Attribute Name	Value
Core Size (ID)	76.7 ± 0.1 mm

## **Automotive Disclaimer**

### **Select Automotive Applications:**

This product is an industrial product and has not been designed or tested for use in certain automotive applications, such as automotive electric powertrain battery or high voltage applications, which may require the product to be manufactured in a IATF certified facility, meet a Ppk of 1.33 for all properties, undergo an automotive production part approval process (PPAP), or fully adhere to automotive design or quality system requirements (e.g., IATF 16949 or VDA 6.3). Customer assumes all responsibility and risk if customer chooses to use this product in these applications.

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## **ISO Statement**

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

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