

3M Ultra Clear Double Coated Tape UCT-50

Technical Data

October 2016

Product Description 3M™ Ultra Clear Double Coated 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 Construction	Adhesive Carrier	Adhesive	Color	Release Liners	Roll Size
	Clear PET Film	Acrylic	Clear	Polyester (PET)	47.2 in x 109 yd (1200 mm x 100m)

Typical Physical Properties

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

		ASTM Test Method
Adhesion to Steel: (72 hr. @ RT)	71.8 oz./1" (20.3 N/25 mm)	D-3330, (90° Peel)
Static Shear: (72 hr. @ RT, 1000g Wt.)	10,000 minutes	D-3654
Total Tape Thickness: (w/out liners)	1.95 mils (0.050 mm)	D-3652
Faceside Adhesive Thickness:	0.74 mils (0.019 mm)	D-3652
Backside Adhesive Thickness:	0.74 mils (0.019 mm)	D-3652
Faceside Liner Thickness:	1.45 mils (0.037 mm)	D-3652
Backside Liner Thickness:	3.05 mils (0.078mm)	D-3652
Color: (Ultra Scan Pro on LCD Glass)	L* = 96.45 a* = -0.05 b* = 0.49	E-308, (D65/10°)
Haze:	1.10%	D-1003-92, (D65/10°)
Uncorrected Light Transmission @450 nm: (on LCD glass)	90.3%	E-308, (D65/10°)

Note: Faceside adhesive is the adhesive that is exposed when the easy side liner is removed. Backside adhesive is the adhesive exposed when the tight side liner is removed.

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

Application Ideas

- 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

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Additional Information

- Splice-free maximum roll length is 100 meters -0/+2 meters
- Product provided on plastic cores and individually packed.
Core ID = 76.7 mm ± 0.1 mm
- Substrate should be smooth, clean, dry and oil-free to ensure good wet-out and adequate adhesion.
- Tape may not bond or conform to rough or sharply curved surfaces.
- Adhesion and holding power are reduced at elevated temperatures.

Storage

Store under normal conditions of 60°F to 80°F (16° to 27°C) and 40% to 60% R.H. in the original carton.

Shelf Life

To obtain best performance, use this product within 18 months from date of manufacture.

Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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ISO 9001



This Industrial Adhesives and Tapes Division product was manufactured under a 3M quality system registered to ISO 9001 standards.

Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
800-362-3550
877-369-2923 (Fax)
www.3M.com/converter

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