



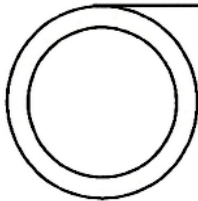
Ultra-Clean Double Coated PET Tape UCT-30

Technical Data

March 2015

Product Description

3M™ Ultra-Clean Double Coated PET Tape UCT-30 provides good dimensional stability and improved handling with ease of die cutting and laminating. The both sides are high adhesion adhesive which make the tape suitable for converting and assembly operation and provides good adhesion to a variety of surfaces. Ultra clear appearance is assured by special coating process and double film liner design.



	PET Liner	Thickness: 0.036 mm
	Acrylate Adhesive	
	4 micron PET Film	Thickness: 0.030 mm
	Acrylate Adhesive	
	PET Liner	Thickness: 0.075 mm

Construction

Adhesive 1 Thickness	Carrier Type Thickness	Adhesive 2 Thickness	Liner 1 Type Liner Thickness Color	Liner 2 Type Liner Thickness Color
0.013 mm	PET 0.004 mm	0.013 mm	PET Liner 0.075 mm Clear	PET Liner 0.036 mm Clear

Typical Physical Properties

Adhesion Peel: ASTM D-3330 modified
12 inch/min peeling speed and 2 mil PET Film Backer

	30 minute dwell	72 hour dwell
	180° peel (N/mm)	180° peel (N/mm)
SS	0.65	0.71
PC	0.65	0.73
ABS	0.60	0.72
PP	0.50	0.55

3M™ Ultra-Clean Double Coated PET Tape

UCT-30

Typical Physical Properties (cont.)



Static Shear Strength

Temperature	Size	Weight	Minutes
72°F (23°C)	1" x 1"	1000 grams	≥ 10000
158°F (70°C)	1" x 1"	1000 grams	≥ 10000

* Test terminated at 10,000 minutes

* Test method: ASTM D3654

Environmental Performance

Humidity Resistance: High humidity has a minimal effect on adhesive performance. Bond strength (is generally higher/shows no significant reduction) after exposure for 7 days at 90°F (32°C) and 90% relative humidity.

UV Resistance: When properly applied, nameplates and decorative trim parts are not adversely affected by outdoor exposure.

Temperature Cycling Resistance: High bond strength (is maintained/increases) after cycling four times through:

- 4 hours at 158°F (70°C)
- 4 hours at -20°F (-29°C)
- 4 hours at 73°F (22°C)

Chemical Resistance: When properly applied, nameplate and decorative trim parts will hold securely after exposure to numerous chemicals including oil, mild acids and alkalis.

Bond Build-up: The bond strength of 3M™ UCT-30 increases as a function of time and temperature.

Temperature/Heat Resistance: 3M™ UCT-30 is usable for short periods (minutes, hours) at temperatures up to 350°F (177°C) and for intermittent longer periods (days, weeks) up to 185°F (75°C).

Lower Temperature Service Limit: 50°F (10°C).

Application Ideas

- Plastic film lamination/bonding
- Process bonding
- Foam bonding
- Graphite sheet bonding

3M™ Ultra-Clean Double Coated PET Tape

UCT-30

Available Sizes

Master Width: 1200 mm

Contact 3M for information on other size availability.

Storage

Store under normal conditions of 70°F (21°C) and 50% relative humidity in the original carton.

Shelf Life

To obtain best performance, use this product within 12 months from date of manufacture.

Technical Information

The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product and appropriate safety products, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy And Disclaimer

Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

Limitation of Liability

Except for the limited remedy stated above, and except to the extent prohibited by law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

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 Converter Markets

3M Center, Building 225-3S-06

St. Paul, MN 55144-1000

800-362-3550

www.3M.com/converter

3M is a trademark of 3M Company.
©3M 2018 E 70-0713-4680-6
(1/18)