



勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-34970699  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

# 40 Printed and Unprinted Antistatic Utility Tape

## Data Sheet

3M™ 40 Printed and Unprinted Antistatic Utility Tapes represent a breakthrough in PSA tape technology. This new tape, which generates less than 50 volts on unwind and removal from stainless steel, helps prevent ESD damage to sensitive electronic components in manufacturing environments. Triboelectric charge may vary with your application and environment.

### Patented Technology

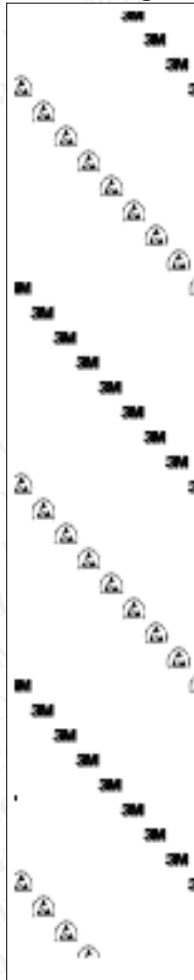
3M antistatic utility tape is a transparent polyester film tape with acrylic adhesive. Made with a proprietary technology, the tape generates extremely low levels of triboelectric charge when it is unwound from the roll and also when removed from most surfaces on which it is placed. This makes the tape an excellent choice for use near electronic components and assemblies. The tape is supplied on 36 yard and 72 yard rolls on 1" and 3" cores.

### Superior Performance

3M antistatic utility tape can be used at static-safeguard workstations as part of your total static control program. It generates very low levels of static charge even in dry conditions of 10% RH. The tape is supplied on a paper core; antistatic plastic cores are available to minimize particulate contamination in clean work areas.

### 40 Printed for Protection

The tape is printed on the adhesive side with the 3M logo and the ESD Protective Symbol. This reminds workers that 40 tape is the only utility tape you allow in static-safeguarded areas.



### Applications

- Office/Clean Room/Work Station
  - Holding notes of work orders
  - Holding obstruction down
  - Third hand, general purpose
- Manufacturing
  - Close static shielding bags
  - Conformal coating/maskins
  - Holding and sealing supplies
- Packaging
  - Box, bag and container sealing/holding DIP Tubes
- Removing Contaminants
- Label Stock

Call 1-800-328-1368 for more information or the name of your nearest 3M ELPD Division authorized distributor.

### Typical Properties

Property/Unit of Measure	Test Method	Typical Value
<b>ELECTRICAL PROPERTIES</b>		
<b>Static charge generation:</b>		
Removal from roll, 10% RH, volts	3M	20
Removal from roll, 50% RH, volts	3M	5
Removal from stainless steel, 10% RH, volts	3M	50
Removal from stainless steel, 50% RH, volts	3M	5
<b>Surface resistance:</b>		
Adhesive @ 50% RH, $\Omega$	ESD Assoc. STD 11.11	$5 \times 10^6$
Adhesive @ 10% RH, $\Omega$	ESD Assoc. STD 11.11	$5 \times 10^6$
<b>TAPE PROPERTIES</b>		
Adhesion to steel, oz/inch	ASTM D 1000	15
Unwind force from roll, oz/inch	ASTM D 1000	24
Thickness, mils	ASTM D 1000	2.2
Break strength, lb./inch	ASTM D 1000	20
Slit width, inch	ASTM D 1000	$\pm 1/64$
<b>Non - outgassing</b>		
TML	ASTM E 595	<1.0%
CVCM	ASTM E 595	<0.1%

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產品編號	帶基說明	帶基厚度	厚度 耳／毫米	相解開溼膠帶10時%產／生相的對靜溼電度填50充%	不於鑄相鋼對表溼面度撕10下%產／生相的對靜溼電度填50充%	相對表溼面度阻10黏／膠歐姆	每寸磅數擊／穿每強公分牛頓數	伸張度折斷時百分率	每寸安對土鋼數的／黏每附公力分牛頓數	每寸安對土鋼數的／黏每附公力分牛頓數	
#40	聚酯薄膜	1 mil	2.2/0.05	20/5	50/5	$1*10^5 \sim 1*10^{11}$	20/35	100	15/1.7	1 mil	2.2/0.05

萬用膠帶邊，厚 1-mil 聚酯薄膜帶基，防靜電的導電聚酯膠黏劑。