3M

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

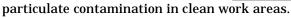
vary with your application and environment.

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



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

Typical Properties		
Property/Unit of Measure	Test Method T	ypical Value
ELECTRICAL PROPERTIES		
Static charge generation:		
Removal from roll,		
10% RH, volts	3M	20
Removal from roll,	014	_
50% RH, volts	3M	5
Removal from stainless steel, 10% RH, volts	3M	50
Removal from stainless	SIVI	50
steel, 50% RH, volts	3M	5
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Surface resistance:		
Adhesive @ 50% RH, Ω	ESD Assoc.	5 x 10 ⁶
	STD 11.11	6
Adhesive @ 10% RH, Ω	ESD Assoc.	5 x 10 ⁶
	STD 11.11	
TAPE PROPERTIES		
Adhesion to steel, oz/inch	ASTM D 1000	
Unwind force from roll, oz/inc		
Thickness, mils	ASTM D 100	
Break strength, lb./inch	ASTM D 100	
Slit width, inch	ASTM D 100	$0 \pm 1/64$
Non - outgassing		
TML	ASTM E 595	<1.0%
CVCM	ASTM E 595	<0.1%

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Electrical Products Division 6801 River Place Blvd. Austin, TX 78726-9000 800 676 8381 http://www.3M.com/elpd

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