



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

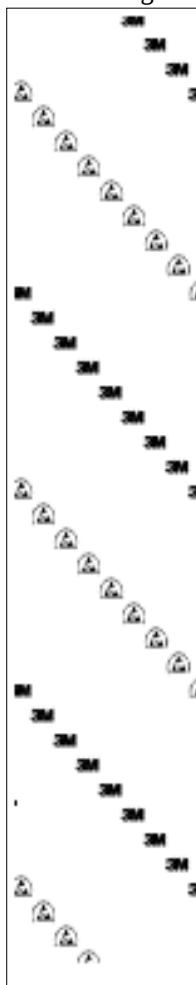
3M antistatic utility tape is a transparent polyester film tape with acrylic adhesive. Made with a proprietary technology, the tape generates extremely low levels of triboelectric charge when it is unwound from the roll and also when removed from most surfaces on which it is placed. This makes the tape 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
ELECTRICAL PROPERTIES		
Static charge generation:		
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
Surface resistance:		
Adhesive @ 50% RH, Ω	ESD Assoc. STD 11.11	5×10^6
Adhesive @ 10% RH, Ω	ESD Assoc. STD 11.11	5×10^6
TAPE PROPERTIES		
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	$\pm 1/64$
Non - outgassing		
TML	ASTM E 595	<1.0%
CVCM	ASTM E 595	<0.1%

3M is a trademark of 3M

Important Notice

All statements, technical information, and recommendations related to Seller's products are based on information believed to be reliable, but the accuracy or completeness thereof is not guaranteed. Before utilizing the product, the user should determine the suitability of the product for its intended use. The user assumes all risks and liability whatsoever in connection with such use.

Any statements or recommendations of the Seller which are not contained in the Seller's current publications shall have no force or effect unless contained in an agreement signed by an authorized office of Seller. The statements contained herein are made in lieu of all warranties, express or implied,

including but not limited to the implied warranties of merchantability and fitness for a particular purpose which warranties are hereby expressly disclaimed.

SELLER SHALL NOT BE LIABLE TO THE USER OR ANY OTHER PERSON UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO NEGLIGENCE OR STRICT LIABILITY, FOR ANY INJURY OR FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES SUSTAINED OR INCURRED BY REASON OF THE USE OF ANY OF THE SELLER'S PRODUCTS THAT WERE DEFECTIVE.



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

© 3M 1998
78-8124-4849-2(A)