

3M™ Antistatic Utility Tape 40 Printed and Unprinted

Data Sheet

July 2013

Product Description

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

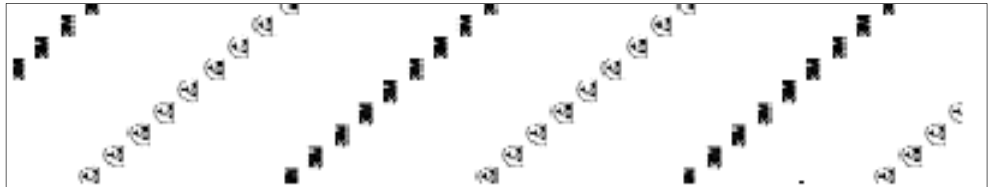
Product Features

- **Excellent Performance**

3M 40 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% relative humidity (RH). The tape is supplied on a paper core; antistatic plastic cores are available to minimize particulate contamination in clean work areas.

- **Proprietary Technology**

3M 40 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.



- **40 Tape 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 one of the only utility tapes you should allow in static-safeguarded areas.

3M™ Antistatic Utility Tape 40 Printed and Unprinted

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

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™ Antistatic Utility Tape 40 Printed and Unprinted

Shelf-Life	This product has a 2-year shelf life from date of manufacture when stored in a humidity controlled storage (10°C / 50°F to 27°C / 80 °F and <75% relative humidity).
-------------------	--

Availability	Please contact your local distributor; available from 3M.com/oem [Where to Buy] or call 1.800.676.8381.
---------------------	---

Important Notice	All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product, which are not contained in 3M's current publications, or any contrary statements contained on your purchase order, shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.
-------------------------	---

Warranty; Limited Remedy; Limited Liability	This product will be free from defects in material and manufacture at the time of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.
--	---

3M is a trademark of 3M Company.



Electrical Markets Division

6801 River Place Blvd.
Austin, TX 78726-9000
800.245.3573
FAX: 800.245.0329
www.3M.com/electrical

Please recycle
© 3M 2013 All rights reserved
78-8124-4849-2 Rev B