

# 3M™ Diamond Lapping Film 636XY

## Product Description

This product is a fixed abrasive consisting of diamond agglomerates in an organic binder on a film backing. The abrasive product is designed for edge finishing of raw and patterned silicon wafers. This product may also be used for hard substrates like AlTiC ceramics, optical glass, and some metals.

## Key Features

- Fast cut rates relative to diamond size.
- Produces consistent, scratch-free finishes.
- Durable, long-lasting product performance.
- Excellent for high pressure applications.
- Low metal levels – appropriate for semiconductor applications.

## Typical Physical Properties

**Note:** The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

Base Films	Nominal 1 mil PET
------------	-------------------

### Typical Diamond Particle Size Distribution

Grade	D95% ≥	D50% Range	D5% Range	Product Color
0.25 μ	0.05	0.16 - 0.24	0.38 - 0.48	Beige
1.0 μ	0.2	0.92 - 0.98	1.75 - 1.97	Beige

## Available Dimensions

The standard dimensions are 14 mm width x 1000 ft. length x 3 in. core.

Available in different size of width according to special request.

## Storage and Shelf Life

Recommended Storage Conditions:

Temperature 50 - 100°F (10 - 38°C)

Relative humidity 30 - 80%

(There is no degradation with time. It is recommended that product be used within 12 months of purchase.)



# 3M™ Diamond Lapping Film 636XY

## Precautionary Information

Refer to Product Label and Material Safety Data Sheet for Health and Safety Information before using this product. For additional health and safety information, call 1-800-364-3577 or (651) 737-6501.

## For Additional Information

To request additional product information or to arrange for sales assistance, call toll free 1-800-251-8634. Address correspondence to: 3M Electronics Markets Materials Division, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55144-1000. Our fax number is 651-778-4244 or 1-877-369-2923. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

## 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.**



### Electronics Markets Materials Division

#### 3M Electronics

3M Center, Building 21-1W-10, 900 Bush Avenue  
St. Paul, MN 55144-1000  
1-800-251-8634 phone  
651-778-4244 fax  
[www.3M.com/electronics](http://www.3M.com/electronics)

3M is a trademark of 3M Company.  
Please recycle. Printed in U.S.A.  
© 3M 2008. All rights reserved.  
60-5002-0330-6

