



# Trizact™ Diamond Lapping Film 661XA

Technical Data Sheet

January 2004

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**Product Description** Tightly graded diamond mineral is formed into microreplicated structures and coated on polyester film backing. This unique construction is *long lasting* and provides consistent processing and *superior finishes* over the entire life of the product.

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**Applications** Fiber optic connector processing, glass and ceramic grinding.

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**Substrates** Ceramics, glass, stone, carbide, composites, exotic alloys and other hard materials.

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**Key Features**

- Longest Life of Diamond Lapping Film Products
- Produces superior surface finish
- Reduces overall process time
- Produces high yields
- Eliminates slurries
- Consistent results throughout life of product.
- Used in many applications and on a multitude of machines

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**Converted Forms** Sheets, Discs and Rolls  
Maximum diameter and width 10".

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**Backing** Polyester Film  
Nominal thickness: 3 mil  
Actual thickness: 2.97 ( $\pm$  0.05)  
Ultimate tensile strength - 26,500 psi (typical)

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**Mineral Size** Available in these grades:  
0.5 $\mu$ , 2 $\mu$ , and 9 $\mu$  (nominal)  
\* actual grading – dependent on instrumentation

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**Bonding Resins** Medium resin hardness

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**Storage and Shelf Life**

Recommended Storage Conditions:

Temperature 50 – 90°F

Relative humidity 30 – 70%

(There is no degradation with time. It is recommended that product be used within 24 months of purchase.)

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**Number of Uses**

3M Trizact Diamond Lapping Film 661XA is intended for multiple uses. The number of uses are dependent on equipment, process parameters and materials processing.

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**FOR ADDITIONAL INFORMATION:** To request additional product information or to arrange for sales assistance, call 1-800-251-8634. Address correspondence to: 3M Industrial Business Customer Response Center, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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**Industrial Business**

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Minimum 30% Post-Consumer Fiber

Printed in U.S.A.  
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IBD337  
60-5002-0030-2