



**Manufacturer:**  
3M™

**Product Name:**  
3M™ 661XU Diamond Lapping Film Disc - 4.25 inch 6µm (micron)

**Manufacturer Part Number:**  
D6-661XU-4253N

▶ Click here for more details on the 3M™ 661XU Diamond Lapping Film Disc - 4.25 inch 6µm (micron)



# Diamond Lapping Film 661XU

Technical Data Sheet January 2004

<b>Product Description</b>	Tightly graded diamond mineral is precision coated on a polyester film backing. This durable construction provides consistent processing, and superior finishes throughout the life of the product. Available with or without PSA (Pressure Sensitive Adhesive) backing.
<b>Applications</b>	Fiber optic connector processing, flat lapping, superfinishing.
<b>Substrates</b>	Ceramics, glass, stone, carbide, composites, exotic alloys and other hard materials.
<b>Key Features</b>	<ul style="list-style-type: none"> <li>- Long Life</li> <li>- Produces superior surface finish</li> <li>- Reduces overall process time</li> <li>- Produces high yields</li> <li>- Eliminates slurries</li> <li>- Consistent results throughout life of product.</li> <li>- Used in many applications and on a multitude of machines</li> </ul>
<b>Converted Forms</b>	Sheets, Discs and Rolls Maximum diameter and width 12".
<b>Backing</b>	Polyester Film Nominal thickness: 3 mil Actual thickness: 2.97 (± 0.05) Ultimate tensile strength - 26,500 psi (typical)

Mineral Size Grading Chart	Micron Grade (nominal)	Color
	0.5 µ	White
1 µ	Lavender	
3 µ	Pink	
6 µ	Brown	

Contact the professionals at Fiber Optic Center for a quote or to get more details.

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)  
23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are subject to change without notice.*



**Manufacturer:**  
3M™

**Product Name:**  
3M™ 661XU Diamond Lapping Film Disc - 4.25 inch 6µm (micron)

**Manufacturer Part Number:**  
D6-661XU-4253N

▶ Click here for more details on the 3M™ 661XU Diamond Lapping Film Disc - 4.25 inch 6µm (micron)

**3M™ Diamond Lapping Film 661XU**

Page 2

<b>Bonding Resins</b>	Medium resin hardness
<b>Storage and Shelf Life</b>	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.)
<b>Number of Uses</b>	3M Diamond Lapping Film 661XU is intended for multiple uses. The number of uses are dependent on equipment, process parameters and materials processing.

**PRODUCT USE:** All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

**WARRANTY AND LIMITED REMEDY:** Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

**LIMITATION OF LIABILITY:** Except where prohibited by law, 3M and seller will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence, or strict liability.

Trizact and 3M are trademarks of 3M Company.

**Contact the professionals at Fiber Optic Center for a quote or to get more details.**

[focenter.com](http://focenter.com) • 508-992-6464 | (800) 473-4237 • [sales@focenter.com](mailto:sales@focenter.com)

23 Centre Street • New Bedford, MA 02740 USA

*Product specifications and data are subject to change without notice.*