



**Manufacturer:**  
3M™

**Product Name:**  
3M™ 661XU Diamond Lapping Film Disc - 4 inch 6µm (micron)

**Manufacturer Part Number:**  
D6-661XU-403N

▶ [Click here for more details on the 3M™ 661XU Diamond Lapping Film Disc - 4 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.**

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



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<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.

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