Product Description
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.

Applications
Fiber optic connector processing, flat lapping, superfinishing.

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

Key Features
– Long Life
– 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

Converted Forms
Sheets, Discs and Rolls
Maximum diameter and width 12".

Backing
Polyester Film
Nominal thickness: 3 mil
Actual thickness: 2.97 (± 0.05)
Ultimate tensile strength ~ 26,500 psi (typical)

Mineral Size Grading Chart

<table>
<thead>
<tr>
<th>Micron Grade (nominal)</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 µ</td>
<td>White</td>
</tr>
<tr>
<td>1 µ</td>
<td>Lavender</td>
</tr>
<tr>
<td>3 µ</td>
<td>Pink</td>
</tr>
<tr>
<td>6 µ</td>
<td>Brown</td>
</tr>
</tbody>
</table>
3M™ Diamond Lapping Film 661XU

Bonding Resins

<table>
<thead>
<tr>
<th></th>
<th>Medium resin hardness</th>
</tr>
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</table>

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.)

Number of Uses

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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