



Diamond Lapping Film 661XU

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	Micron Grade (nominal)	Color
	0.5 μ	White
	1 μ	Lavender
	3 μ	Pink
	6 μ	Brown

Bonding Resins	Medium resin hardness
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.

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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