

Trizact[™] Diamond Lapping Film for Fiber Optic Connector Polishing

Longer lasting for improved productivity and better yield



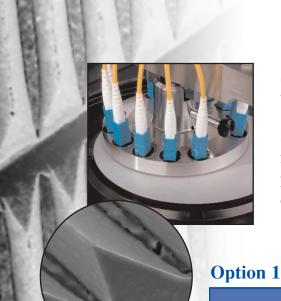
Designed for polishing zirconia and other ceramic UPC connectors.

3M[™] Trizact[™] Diamond Lapping Film is comprised of tiny structures, produced with 3M's microreplication technology. These structures contain precisely graded diamond particles. As these structures wear down, fresh mineral is continually exposed resulting in a consistent, high cut rate through the long life of the abrasive.

Compared to conventional diamond lapping films, 3MTM TrizactTM Diamond Lapping Film provides:

- Superior durability
- Higher cut rate
- Finer finish
- Less subsurface damage
- Better clad edge quality
- Improved productivity
- Improved yield

3M Trizact Diamond Lapping Film, 661XA is available in 9, 2, and 0.5 micron grades for angle grinding and ferrule radiusing. Discs and sheets are available for use on a variety of polishing machines.



Diamond Lapping Film

Magnification

Suggested Process for Polishing Ceramic UPC Connectors with 3MTM TrizactTM Diamond Lapping Film.

3M Technical Service Engineers recommend using the following sequences for polishing ceramic UPC fiber optic connectors. These sequences provide typical starting points. Your actual process may vary depending on your polishing equipment and finish requirements.

Step	Micron Grade	Mineral	Product I.D.	Description	Color
Remove Epoxy	3	Silicon Carbide	463X	3M™ Lapping Film	gray
Level Connector	0.5	Diamond	661XA	3M™ Trizact™ Diamond	gray
				Lapping Film	
Finish	_	Final Polish	863X	3M™ Lapping Film	white (

Use deionized water as a lubricant.

Option 2

Step	Micron Grade	Mineral	Product I.D.	Description	Color
Remove Epoxy	5	Silicon Carbide	461X	3M™ Lapping Film	gray
Level Connector	2	Diamond	661XA	3M™ Trizact™	gray (
				Diamond Lapping Film	
Finish	_	Final Polish	863X	3M™ Lapping Film	white (

Use deionized water as a lubricant.

Let us help you optimize your fiber optic finishing operation. Contact the 3M Fiber Optic Applications Development Laboratory at 1-866-866-0922. For a Distributor in your area, call 1-800-742-9546.

Superabrasives and Microfinishing Systems Division

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For more information on other 3M products call 1-800-3M-HELPS

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