

Nanolap[®] Diamond Lapping Film 66XC






Technical Data Sheet

2013

Description 66XC Diamond Lapping Films are designed to provide consistent high-quality surface finishes in lapping applications for hard surfaces. This product series is particularly suitable for metallography sample preparation, but also finds use in lapping and superfinishing of other hard materials including ceramics, semiconductors, glass, metals, and stone. To ensure high quality and reliable performance, 66XC Lapping Films are made by precision-coating tightly graded diamond particles onto a 3-mil polyester substrate.

Applications Superfinishing, precision lapping, fining of hard materials.

Materials Hard metal alloys, ceramics, glass, semiconductors, stone, other hard materials.

Process	Item	Polisher (RPM)	2.5mm Connector Average Pressure (g)	1.25mm Connector Average Pressure (g)	Average Polishing Cycle (Second)	Pad Hardness
Removal 	46P 15um	By Hands				
Removal 	46P 15um	180~250	150~350	100~250	30~60	55~90
Lapping 	66XC 9um	180~300	200~350	50~150	40~60	70~90
Lapping 	66XC 1um	180~300	200~300	50~150	40~60	70~90
Polishing 	86XB	180~300	200~300	50~150	35~60	55~70



Nanolap[®] Final Polishing Film 86XB

Final Polish for Fiber Optic Connectors

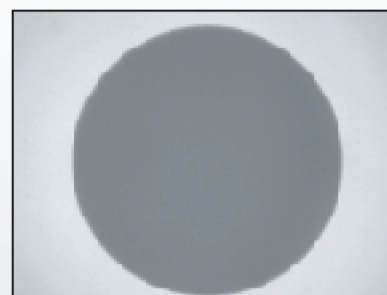
Technical Information

2013

Product Description Nanolap[®] Final Polishing Film 86XB is produced by a precision coating of silicon dioxide on a polyester film. This long-life product is used in the final step of polishing fiber optic connectors and will help you achieve a consistently superior surface finish.

Application Final Polishing Film is used as the final step in fiber optic connector polishing.

- Key Features**
- Long Life
 - Consistent Surface Finish
 - Clean Connector Faces
 - High Connector Yields
 - Easily Identified Working Surface



Converted Forms Discs, Sheets, and Rolls
Available with or without PSA (Pressure Sensitive Adhesive)

Cleaning Use plenty of DI water to clean the film between each use, then wipe the film with a lint-free wipe. The jig and the connectors should also be cleaned to prevent and minimize scratches.

Process Suggestion

Polisher	Connector Diameter	Pad	Time	Speed	Pressure Per Connector	Lubricant
Standard Polisher	2.5mm	55~70 Durometer	35~60 seconds	180 ~300 rpm	200~300 grams	DI Water
Standard Polisher	1.25mm	55~70 Durometer	35~60 seconds	180 ~300 rpm	50~150 grams	DI Water

* The above data are recommendations for starting points. Actual parameters will vary based on working conditions and finish requirements.

