

Optical Fiber Tool

TECHNICAL DATA SHEET

**Colorless Transparent Polishing Final
Film with 127mm**



Colorless Transparent Polishing Final Film with 127mm

Product Description

The Colorless Transparent Final Polishing Film is a high-precision lapping film designed for the final polishing stage of fiber optic connector ferrules. Unlike abrasive polishing films, this film is used to achieve an ultra-smooth, mirror-quality end face after fine polishing, minimizing insertion loss and back reflection while improving connector performance.



Manufactured with a premium transparent polishing surface on a durable polyester (PET) backing, the film is suitable for polishing UPC and APC fiber optic connectors including SC, LC, FC, ST, MU, MPO/MTP, and other ceramic ferrule connectors. Its 127 mm (5-inch) diameter is compatible with most manual and automatic fiber optic polishing machines.

Product Features

- Designed for the **final polishing stage**
- Produces a mirror-quality connector end face
- Ultra-smooth transparent polishing surface
- Minimizes insertion loss and return loss
- Improves connector surface quality
- Excellent polishing consistency
- High durability and long service life
- Compatible with manual and automatic polishing equipment
- Standard **127 mm (5-inch)** diameter
- Suitable for UPC and APC polishing processes

Applications

- Final polishing of fiber optic connectors
- Fiber optic connector manufacturing
- FTTH component production
- Telecommunications equipment manufacturing
- Optical patch cord assembly
- Data center cabling
- CATV fiber networks
- Fiber optic repair and maintenance

Product Specifications

Parameter	Specification
Product Type	Final Polishing Film
Film Type	Transparent Final Polishing Film
Film Diameter	127 mm (5 inch)
Film Color	Transparent / Colorless
Backing Material	Polyester (PET)
Surface Type	Ultra-Smooth Precision Film
Polishing Stage	Final Finishing

Compatible Connectors

- SC
- LC
- FC
- ST
- MU
- E2000
- MPO/MTP
- SMA
- DIN Connectors

Mechanical Specifications

Item	Specification
Film Shape	Circular
Diameter	127 mm
Backing Material	PET Polyester
Surface Finish	Ultra-Smooth Transparent Film
Wear Resistance	High

Environmental Performance

Parameter	Specification
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +60°C
Storage Humidity	<70% RH
Storage Condition	Clean and Dry Environment