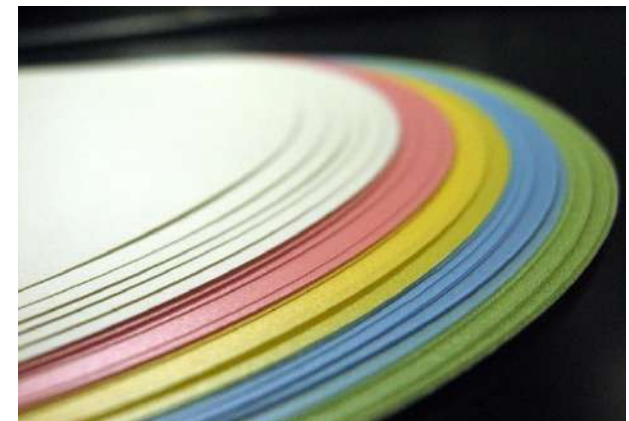


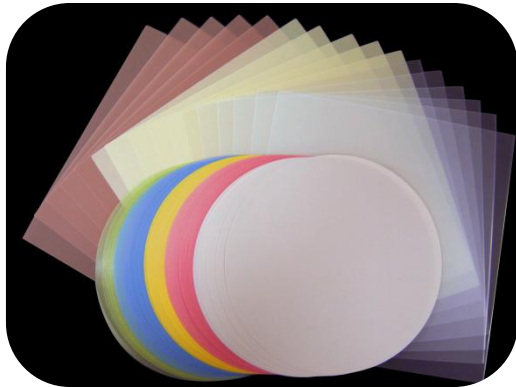


# *Beijing Grish Hitech Co., Ltd.*

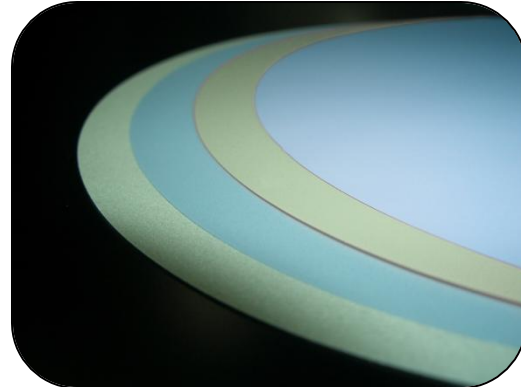


*To provide you with: polishing consumables, polishing equipment and polishing process overall solutions*

# Grish Fiber Polishing Products



Diamond  
Lapping Films



SiC  
Lapping Films



PUMD/PUMZ



AO/CO Slurry



Final Polishing Films



Fiber polisher



CMP Slurry



Polishing Oil

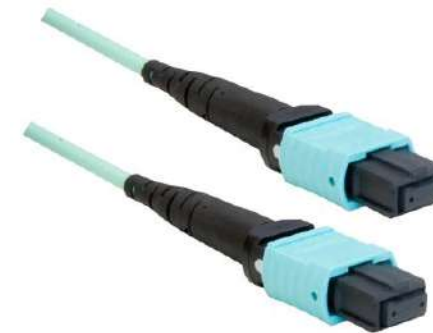
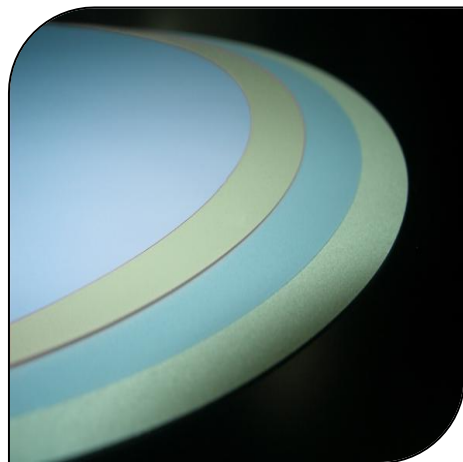
# Session Introduction

1. MTP/MPO Connectors polishing Solutions.
2. Final Polishing Films
3. Flat/PC/UPC/APC types connectors Polishing solutions
4. Special announcement
5. How to reach to us

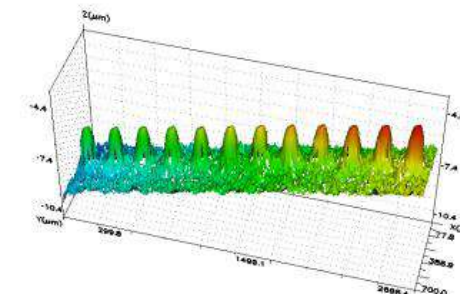
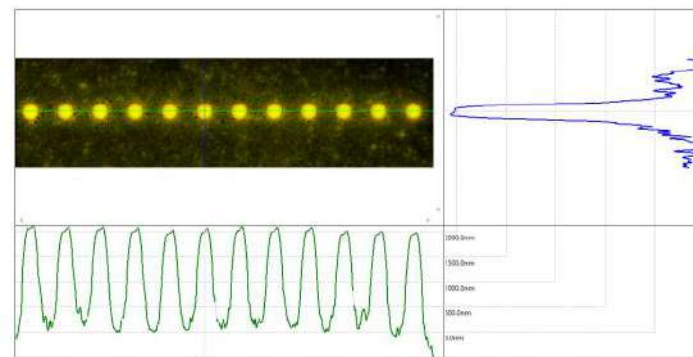
# MTP/MPO

## Lapping & polishing Solutions

### Grish offered Products:



### Technical Data and fiber measurement :

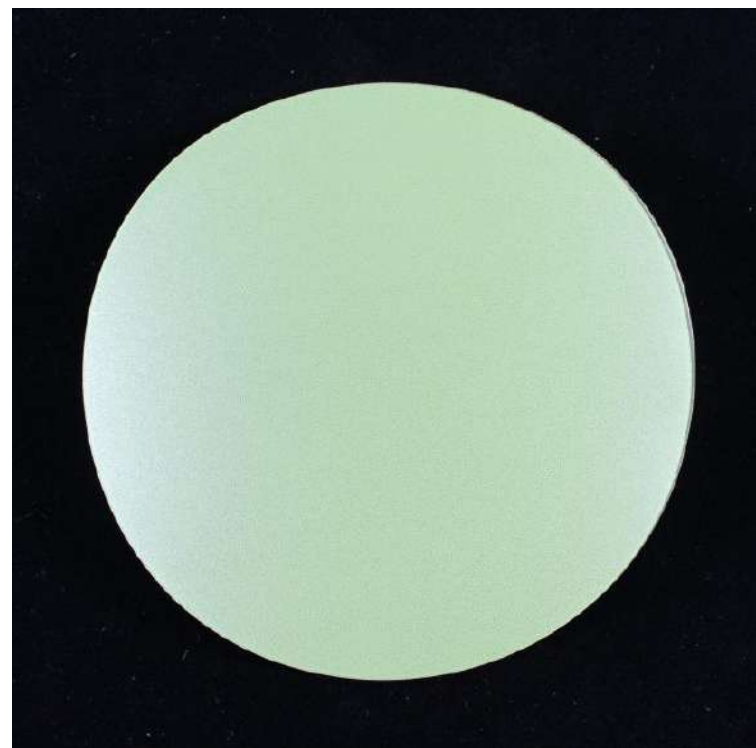


# Polishing Process

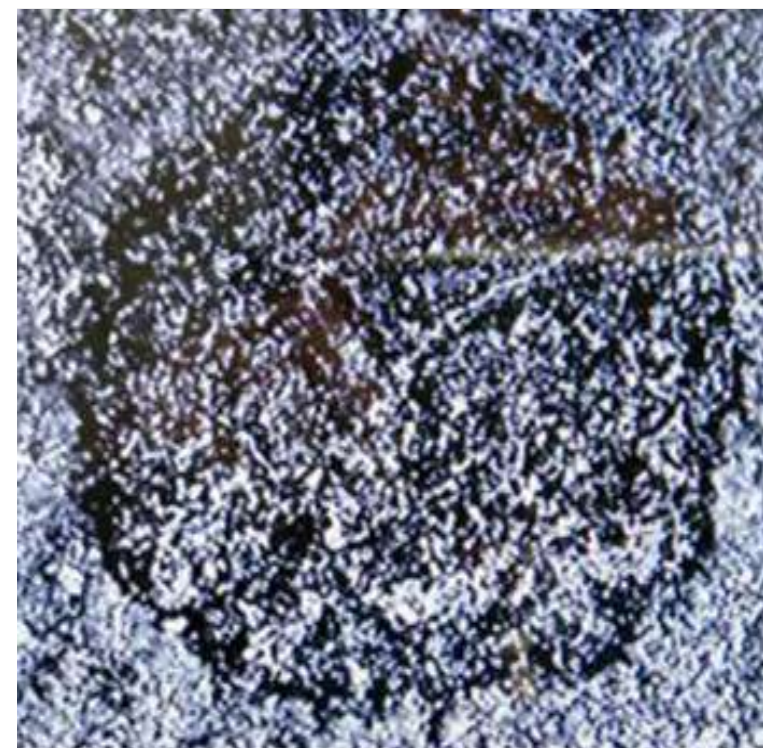
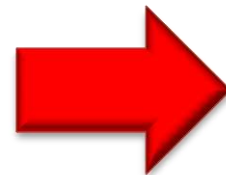
Steps		Product	Time/S	Pressure /Pound	Rpm/min	Pad	Agent	Life
Step-1	Epoxy removal	Diamond 30um	50S	2	110	Glass Pad	DI Water	≤2 Plate
Step-2	Rough Polishing	Silicon carbide 16um	100S	2	110	Glass Pad	DI Water	≤2 Plate
Step-3	Fine Polishing	Silicon carbide 3um	130S	2	130	Glass Pad	DI Water	≤2 Plate
Step-4	Final Polishing	PUMD	140S	4	160	Glass Pad	Aluminum oxide Slurry	≥40 Plate
Step-5		PUMZ	40S	4	160	Glass Pad	Cerium oxide Slurry	≥40 Plate

## Step1- Epoxy Removal

Steps	Product	Time/S	Pressure /Pound	Rpm/min	Pad	Agent	Life
Epoxy removal	Diamond 30um	50S	2	110	Glass Pad	DI Water	≤2 Plate



D30  
Polishing Film



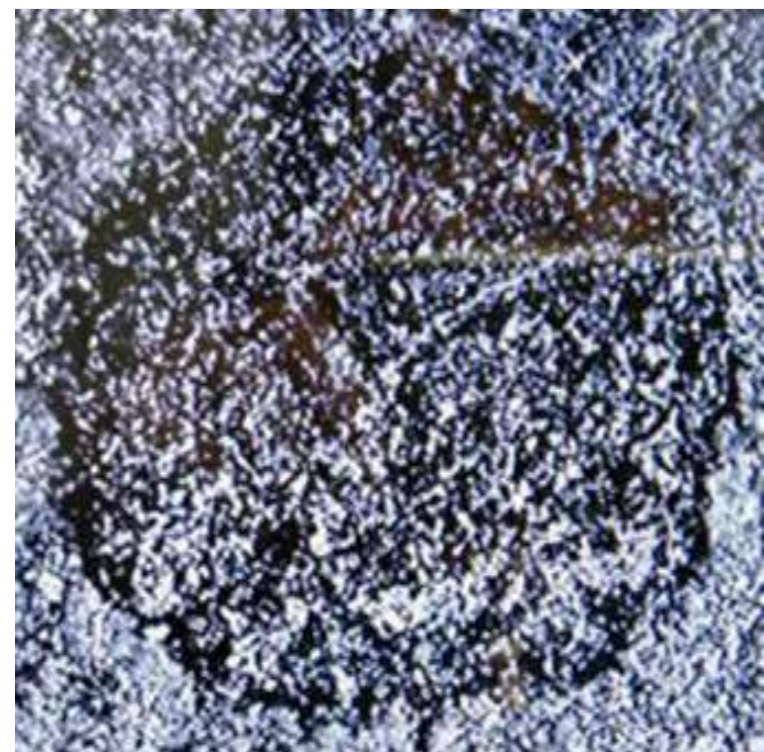
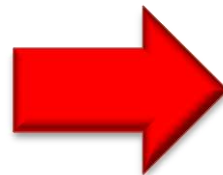
Polishing Surface

## Step2- Rough Polishing

Steps	Product	Time/S	Pressure /Pound	Rpm/min	Pad	Agent	Life
Rough Polishing	Silicon carbide 16um	100S	2	110	Glass Pad	DI Water	≤2 Plate



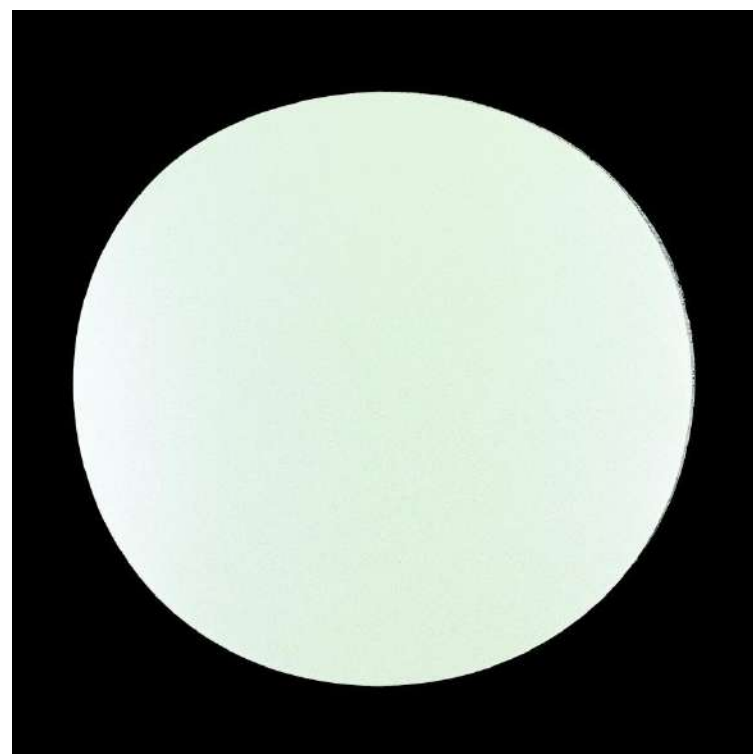
SC16  
Polishing Film



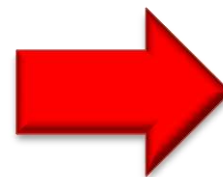
Polishing Surface

## Step3- Fine Polishing

Steps	Product	Time/S	Pressure /Pound	Rpm/min	Pad	Agent	Life
Fine Polishing	Silicon carbide 3um	130S	2	130	Glass Pad	DI Water	≤2 Plate



SC3  
Polishing Film



Polishing Surface

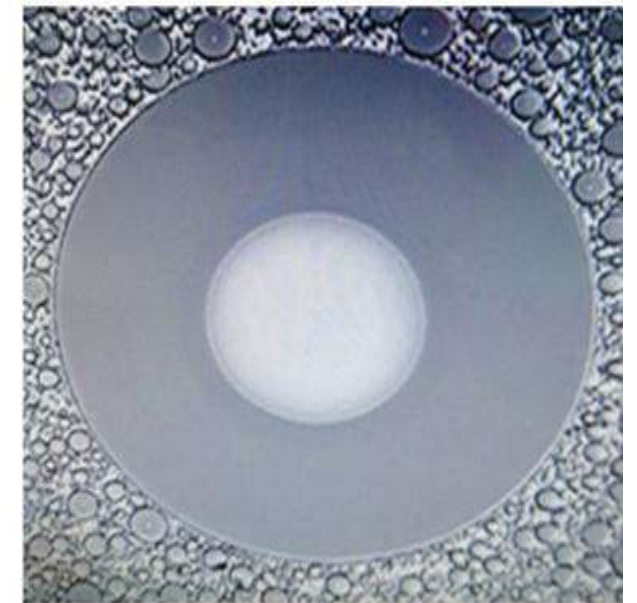
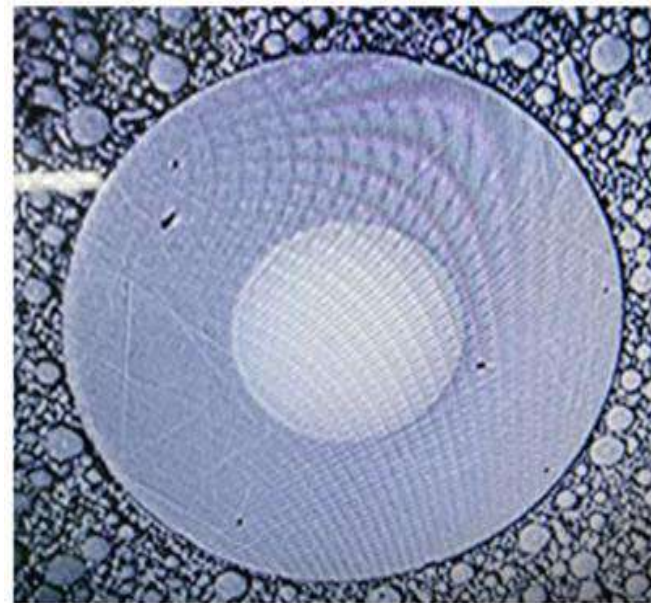
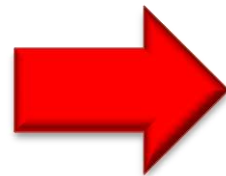


## Step4&5- Final Polishing

Steps	Product	Time/S	Pressure/ Pound	Rpm/ min	Pad	Agent	Life
Final Polishing	PUMD	140S	4	160	Glass Pad	Aluminum oxide Slurry	≥40 Plate
	PUMZ	40S	4	160	Glass Pad	Cerium oxide Slurry	≥40 Plate



PUMD  
PUMZ

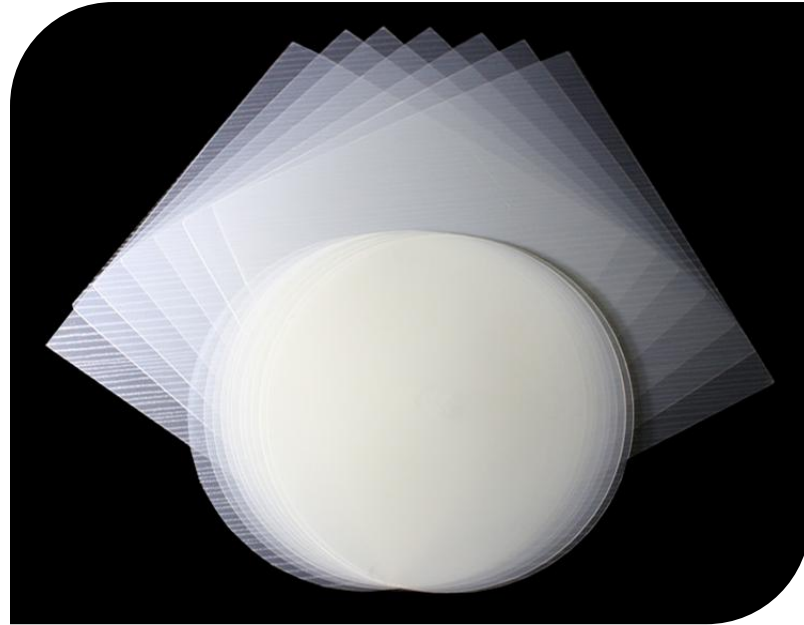


AO/CO  
Slurry

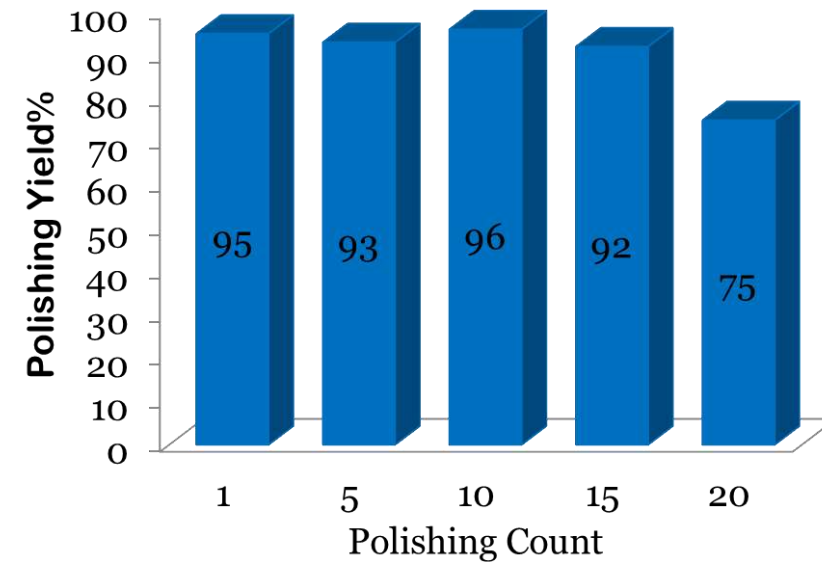
Polishing Surface



# Grish Final Polishing



### Polishing Rate Chart



### Application:

The last polishing for a wide range of fiber optic connectors and related products.

### Appearance:

There is a certain degree of light transmission of light white.

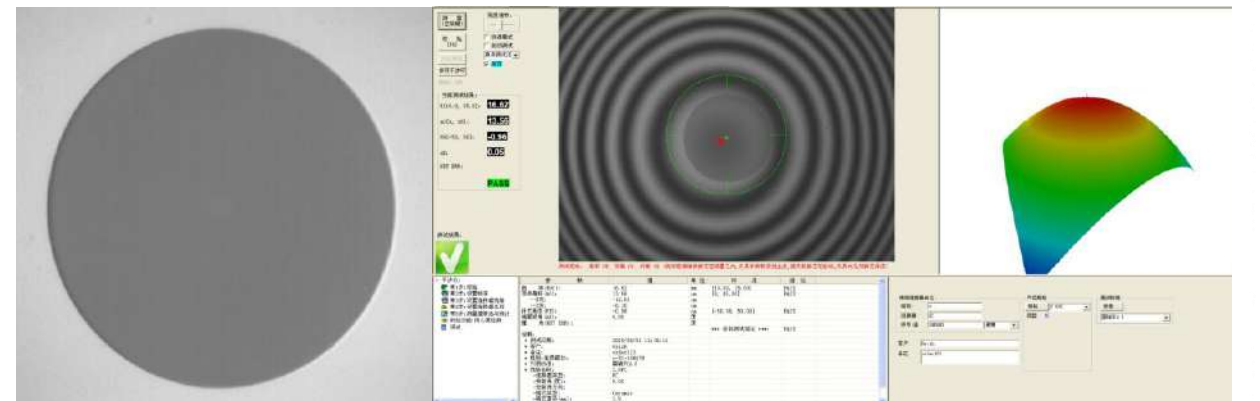
### Effect:

Polished delicate end face of Fiber, the height of 3D fiber is controllable from 50 to -100nm, The service life is long, and the batch stability is good.

### Technical Features and highlights

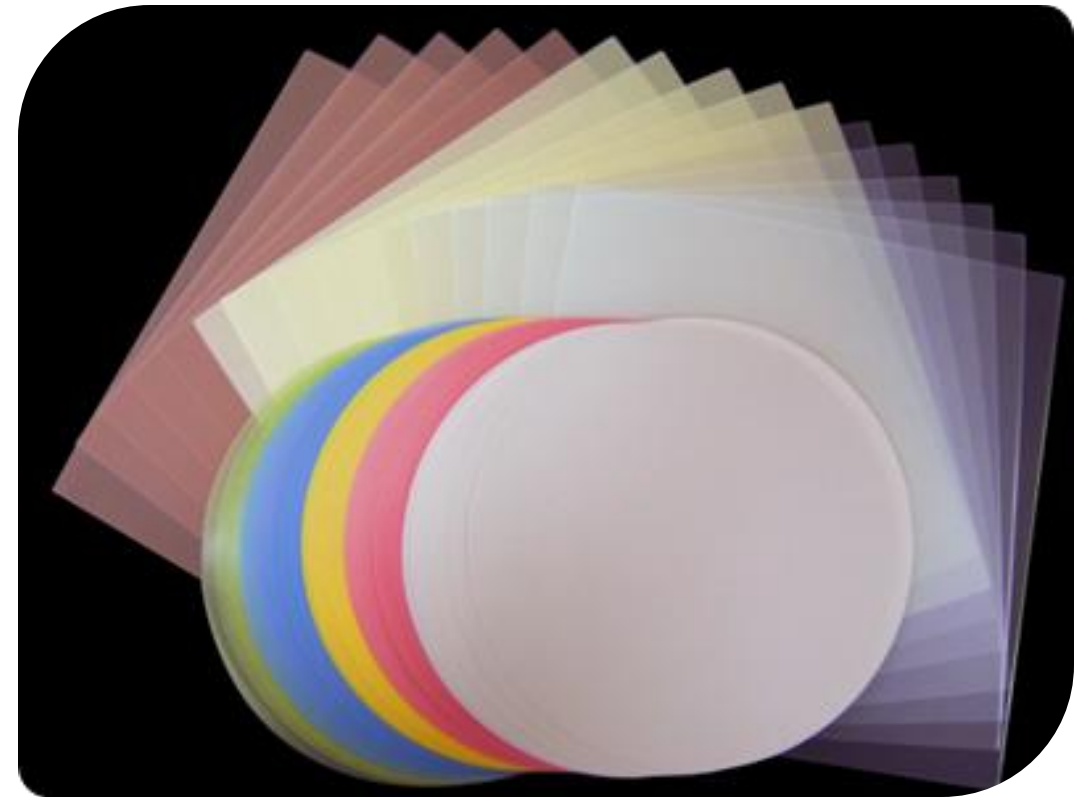
1. SO-06H end face easy to clean, high yield, suitable for small and medium pressure grinding.
2. SO-01L has good scratch resistance and is suitable for high pressure grinding.
3. Tested with more than **80%** polishing yield.





### Polishing surface appearance



# Flat/PC/UPC/APC Lapping & polishing Solutions

Grish Provide a cost efficient easy to adoptable polishing solution for Flat/PC/UPC/APC connectors



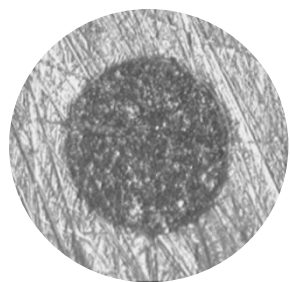
<i>FLAT</i>	<i>PC</i>	<i>UPC</i>	<i>APC</i>
< -30dB Back Reflection	< -35dB Back Reflection	< -55dB Back Reflection	< -65dB Back Reflection
			

# Polishing Process

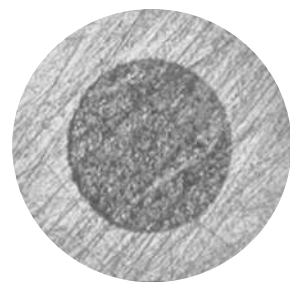
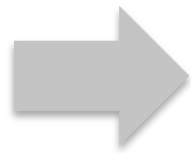
No.	Step	Polishing Film	Slurry	Pad	Time	Life
1	Resin Removal	SC/D30	DI Water	80D	30-35s	≥ 50
2	Rough Polishing	D9	DI Water	80D	30-35s	≥ 50
3	Fine Polishing	D1	DI Water	80D	35-40s	≥ 50
4	Final Polishing	SiO <sub>2</sub>	DI Water	70D	20-30s	≥ 10

Note:

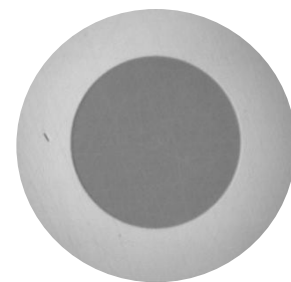
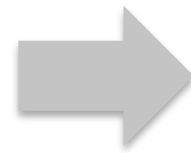
Classical Fiber Optic Connector recommended Polishing process: D30-D9-D1- Final polishing, Below is good end-face pictures in 400 times magnification for each polishing Step:



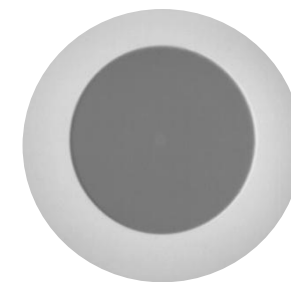
D30  
(Diamond 30µm)



D9  
(Diamond 9µm)



D1  
(Diamond 1µm)



Final  
Polishing Film



***Beijing Grish Hitech Co., Ltd.***  
***Looking for distributors across***  
***the globe.***

- ◆ *Do you want samples to test first?*
- ◆ *How to apply for free samples?*
- ◆ *How to access for more detail of our products?*
- ◆ *How to contact us?*
- ◆ *How to know our local distributors at your country?*
- ◆ *And how to be our distributor?*



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***Phone no. 0086-10-51653168***

We also available at social media follow up for our regular update.

- **Facebook : @bjgrishhitech**
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