

## MPO/MTP Polishing Solution

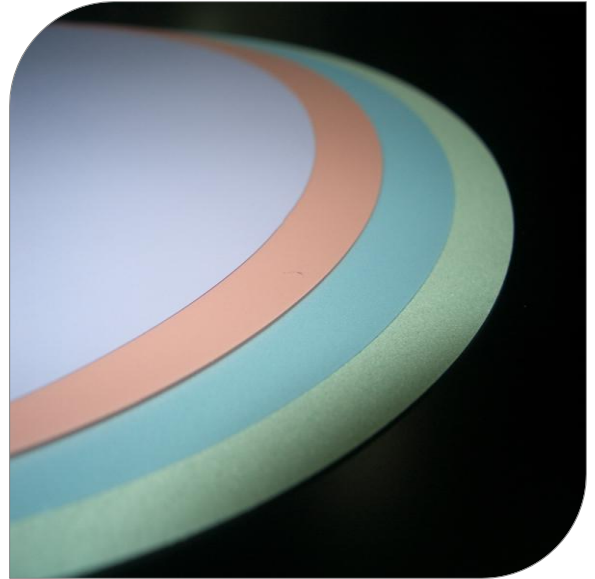


No.	Step	Polishing Film	Slurry	Pad	Pressure (lb)	Speed (rpm)	Time (sec.)	Life
1	Resin Removal	SC16	DI Water	Glass	2	10	60	≥1
2	Middle Polishing	SC3	DI Water	Glass	2	100	140	≥1
3	Fiber Height Polishing	PUMD	AO Slurry	Glass	5	150	200	≥40
4	Final Polishing	PUMZ	CO Slurry	Glass	6	180	20	≥40

Note:  
This process is only for Domaille Machine.

## SiC Lapping Film

MPO (Multi-fiber and pluggable) , Fiber optic connector is a kind of Plug&Play connector, featuring Multiple Fibers as signal Transmitting Channel. Therefore, it will request the polishing film being with higher grinding force, meanwhile new polishing layer will come out after upper layer peels off so as to ensure all fibers with positive value fiber height. Grish SC series polishing film for MPO utilizes the scientific coating recipe, being made with high-tech coating machine, it is able to meet different polishing demands of customers



### Specification

Type	Girt size(μm)			
12A	16	9	3	1
12B	16	9	3	1

Note:  
Film size customization available upon customer's request.

### Highlights

- ◆ Slurry coating film Uniform coating layer results in consistent polishing performance;
- ◆ Featuring better High cutting force during polishing;
- ◆ High yields;
- ◆ Choose 12A or 12B according processes of customers.



## MPO/MTP Polishing Pad

GRISH MPO/MTP polishing pad, with an excellent interconnecting microporous structure, in the process of polishing can have excellent polishing stability and will be more durable on polishing life. It can be used together with Grish MPO polishing liquid, and is suitable for ultra-precision polishing of MPO/MTP.

### Specification

Name	Material	Abrasive	Color	Thickness (mm)	Shaw Hardness (A)	Density (g/cm <sup>3</sup> )	Standard Pad Size
MPO/MTP Polishing Pad	Polyurethane (PU)	None	Black	0.70-1.10	70-90	0.500-0.700	Disc: $\Phi$ 127mm , with PSA Sheet: 140mm*140mm , with PSA

Note:  
It's available upon request.

### Highlights

- ◆ Stable quality, good wear-resistance;
- ◆ With good flexibility and elasticity, help to effectively avoid scratch;
- ◆ The fluff gap on the surface can store a large amount of polishing fluid to improve the polishing efficiency;
- ◆ Adhesive easy to strip off , no residual adhesive, easy to use.

### Applications

- ◆ Widely used in wafer/glass/metal/ceramic etc high – level flat polishing.

# AO/CO Polishing Slurry

Grish AO/CO polishing slurry is a kind of water-based, Eco-friendly polishing liquid, producing it with Superior Ultra fine polishing abrasives, featuring good dispersion, uniform Grit sizes, High polishing efficiency, mainly applied to fine polishing of MPO/MTP.



## Specification

Name	Type	Grit (D50,μm)
AO Polishing Slurry	AO-1-50B	0.5-1.0
	AO-1-50C	0.5-1.0
CO Polishing Slurry	CO-1-30B	0.5-1.0
	CO-1-30C	0.5-1.0

## Highlights

- ◆ Good dispersibility and uniform particle size.
- ◆ Little sedimentation, easy to shake well.
- ◆ High polishing efficiency.
- ◆ Good polishing effect of end face, no broken edge, and no scratches.
- ◆ Good product consistency.
- ◆ Easy to clean, no residue.

## Effections

- ◆ MPO/MTP AO Polishing Slurry surface after polishing: (400X Fiber-End Inspector)



- ◆ MPO/MTP CO Polishing Slurry surface after polishing: (400X Fiber-End Inspector)

