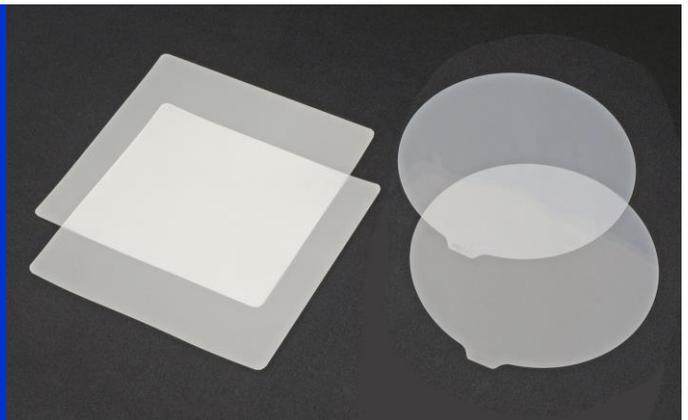


**MPO polishing with a finishing quality equivalent to that of single fiber connector and a Coredip value of “0”**

## Final Polishing Film for MPO

# ADS-MPO

ADS-MPO is a new generation polishing film that has been improved for MPO connectors to realise a finishing quality equivalent to that of single fiber polish, and also a Coredip value of “0” (convex shape) in multi-mode fiber.



### Ideal for final polishing of MPO connector end face

Polishes MPO connector end face leaving no scratches or dirt. At the same time, its stable polishing power ensures long life.

### A multi-mode fiber Coredip value of “0”

Can polish to a convex shape to eliminate dips in the core (Coredip) which particularly affects the optical characteristics (IL/RL) of multi-mode fiber.

### Provides a low return loss comparable to single fiber connectors

Realizes a low return loss comparable to single connectors by suppressing subsurface damaged layer to a minimum.

### Specifications

Type	ADS-MPO Final Polishing Film
Standard Sizes	Disk type : 127mm (5inch)dia. (100 sheets/set) Square type : 140mm (5.5inch)×140mm (5.5inch) (100 sheets/set)
Film color	MPO: White semi-transparent (“MPO” is engraved on the periphery of the disk type and in one spot of the square type)
Base Thickness	75µm (3mil)
Ferrule	MPO: all types; Material: PPS; Angle: 0deg/8deg
Compatible Fiber	Multi-mode : OM1, OM2, OM3, OM4, GI50, GI62.5, etc. Single-mode : OS1, OS2, SM, etc.

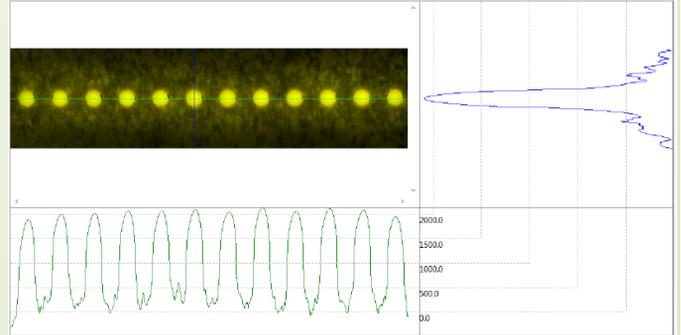
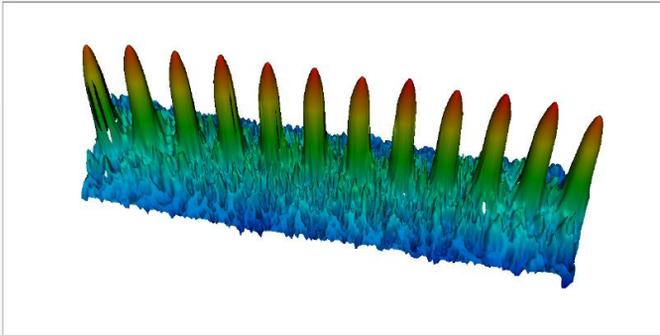
Measurement Parameter	Units	Pass/Fail Limits		Measured Value	Verdict
		Min	Max		
Ferrule Radius of Curvature X	mm	-2000.00*	2000.00*	46041.17	PASS
Ferrule Radius of Curvature Y	mm	5.00		85.09	PASS
Tilt Angle X	°	-0.2000	0.2000	-0.0682	PASS
Tilt Angle Y	°	-0.2000	0.2000	-0.1396	PASS
Dome Height	nm			595.17	N/A

\* - Pass value must be less than Min and greater than Max

Measurement Parameter	Units	Pass/Fail Limits		Measured Value	Verdict
		Min	Max		
Max-Min	nm			258.28	N/A
Max Adj Diff	nm			136.93	N/A
Minus Coplanarity	nm	0.00	250.00	136.35	PASS
Coplanarity Plane Angle X	°			-0.0866	N/A

Measurement Parameter	Units	Pass/Fail Limits		Fiber Number / Measured Value / Verdict											
		Min	Max	1	2	3	4	5	6	7	8	9	10	11	12
Height	nm	1000	3500	1641.74	1778.67	1785.68	1834.32	1833.95	1861.69	1840.37	1900.02	1832.38	1891.45	1867.28	1732.23
ROC	mm	1	5	2.47	2.61	2.55	2.50	2.56	2.57	2.85	2.49	2.62	2.63	2.74	2.60
Core Dip	nm	0	100	-159	-144	-157	-156	-155	-157	-130	-157	-151	-153	-135	-149

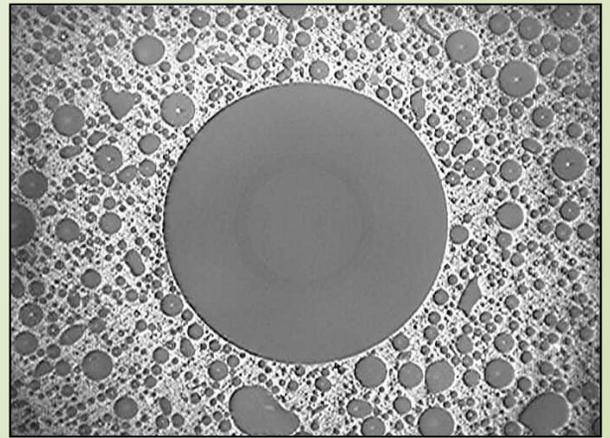
Coredip: + value = concave; - value = convex



Polisher: ATP-3000 polisher  
(independent pressurization)

	Process	Polish Film Polish Fluid	Time (sec)
1	Adhesive removal	AAS-GC16A-R140-12 Water	15 +30
2	Flat surface polish	AAS-GC03A-R140-12 Water	30
3	Protrusion Polish	AAS-RFZZA-140-140 AMS-EHZZ-1L	240
4	Final Polish	ADS-MPO-140 Water	15

Dimension  
EASYCHECK EC400K



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For more information

[http://www.ntt-at.com/product/Polishing\\_film/](http://www.ntt-at.com/product/Polishing_film/)



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