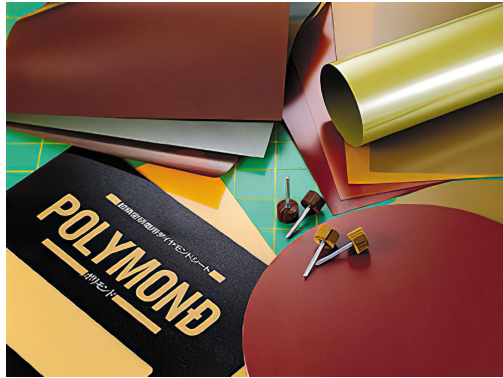


# POLYMOND

High-strength diamond polishing sheets



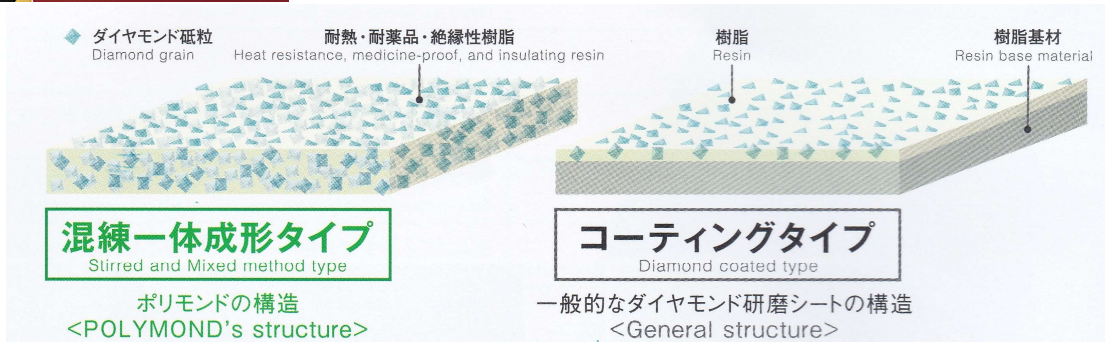
## The Best Cost-Effective Heat-Resistant Lapping/Polishing Film, for Your Hard Polishing Work

### Features

The excellence of POLYMOND comes from the original manufacturing method. The “Stirred and Mixed method”. Diamond grits are mixed and stirred with Polyimide. A resin highly resistant to high heat and chemicals.

Diamond coated type film are used up then grits coated on the surface are work out. However, our “Stirred and Mixed” type films can contain grits within the resin, so you might exhaust a film from top to bottom.

Furthermore, polyimide resin is excellent in grit retention, which contributes to the high lapping performance.



**Super Durability**



**High Polishing Rate**



**Excellent Process Stability**

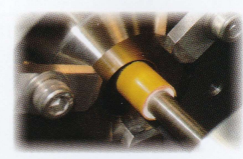
POLYMOND can polish 8,000 minutes + α longer than general items

POLYMOND can be DRESSED like grinding wheels. Therefore, the theoretical effective lapping time can be prolonged to 90,000 minutes or more.

POLYMOND has 1.7 times polishing rate than general items

POLYMOND's polishing rate exceeds 1.7 times more than that another film at 1,000 minutes point, backed by high heat resistance, durability and good grit retention of Polyimide resin.

“Stirred and Mixed” method stably realizes a good surface roughness



### Application example

Categories	Use	Examples or Comments
Communication	Polishing Optical Fibers	Flexibility of POLYMOND is excellent for polishing edges of optical fibers
	Polishing Communication Connector	High lapping rate in polishing sapphire
Metal Molds	Micro fixing Burrs	Finishing, micro fixing, and removing burrs of metal molds
Ceramics	Ceramics Machining	Micromachining, fixing, or finishing ceramics, and polishing test pieces
	Finishing Thermal Sprayed Ceramics	Finishing ceramics thermal sprayed
Semiconductors	Ceramics Cleaning	Efficiently removing stains, darkening and yellow tints on surface of ceramics products
	Roughening Bumps	Roughening bumps on solder-balls
	Silicon Wafers	Recycling failed silicon wafers
Glass / Lenses	Glass Cleaning	Removing contaminated spots on liquid crystal glasses
	Optical Lens Polishing	Polishing spherical surface of lenses: POLYMOND can totally cover such surfaces because of its flexibility
LED	Polishing Equipment	Polishing back side of sapphire substrates: fixed abrasive polishing such as using POLYMOND improves lapping rate
Equipment	Fixing Stepper Equipment	Fixing height of components for stepper equipment
	Maintaining Stepper Equipment	Polishing tools for machining components of stump-making machine
	Fixing Lapping Machine	Adopting fixed abrasive polishing instead of loose abrasive polishing to reduce costs and improve lapping rate



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