

# Bioabsorbable Monofilament

AccuPath® team specializes in providing implantable-grade bioabsorbable materials and medical coating solutions to manufacturers of catheters, stent delivery systems and other minimally invasive devices used for diagnostic purposes. AccuPath® bioabsorbable monofilaments can be flexibly customized in terms of filament diameter, color, mechanical properties, degradation cycle, etc. to meet the needs of a wide variety of high-end medical device applications.



## Key Features

- OD range: 80-300µm (0.00315"-0.118")
- Tensile strength: 50-800MPa
- Breaking elongation: 5%-400%
- Performance: Ability to tailor tensile strength, ability to customize rates of absorption

## Applications

- Bioabsorbable flow diverter device
- Bioabsorbable embolization coil
- Bioabsorbable sinus stent
- Bioabsorbable cardiac occluder
- Bioabsorbable sutures

## Technical Data

	Unit	Typical Value
Material		PLLA, PDLLA, PLD, PGLA, PGA, PLCL
Outer diameter	µm (inch)	80-300 (0.00315-0.118)
Dimensional tolerance	mm (inch)	±0.005 (0.000197)
Tensile strength	MPa	50-800
Breaking elongation	%	5-400
Color		Customizable
Biocompatibility		Meets ISO 10993 and USP Class VI requirements
Environmental protection	°C (°F)	RoHS Compliant

## Quality Management

AccuPath implements a strict ISO13485 quality management system and builds a standardized 10,000-grade purification workshop to ensure that the products meet the biological requirements of medical devices. At the same time, advanced manufacturing equipment and precision measuring instruments, as well as strict inspection and testing methods, ensure that the quality of the products meets the requirements for the use of high-end medical devices.

## Ordering Information

Our experts can guide you in material selection, tubing/filament specifications, and custom-cut lengths to fit your specific biodegradable tubing/filament requirements.